MILLER by SPERIAN

FALL protection 2007 - 2008

MILLER® by SPERIAN

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troll MILLER® KOMET MILLER® become MILLER® by SPERIAN

synonymous with quality

Miller® by Sperian - A commitment to saving lives

As the global leader in fall protection equipment, Bacou-Dalloz have spent more than fifty years leading the development of high-performance equipment and solutions to make working at heights safer. In that time we have risen to the position of the world's most innovative name in fall protection.

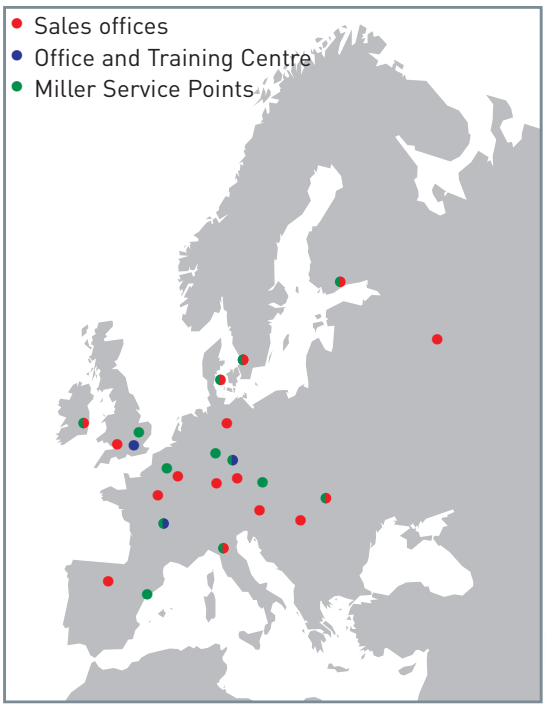
Beyond Basic Fall Protection

Unequalled in the industry, our state of the art equipment provides the critical tool for worker protection, combining mobility with unsurpassed comfort.

Your Partner for Height Safety

Miller® by Sperian actively works with industry experts to design and develop innovative solutions for a wide variety of sectors. Our objective: ergonomic, stylish and comfortable products that encourage 100% wear time.

- **General Industry**
- **Telecommunications**
- **Utilities**
- **Construction**
- **Transportation**
- **Fire Service**
- **Military & Police**
- **Arborist (Tree Surgeons)**



Service

With sales offices and training centres throughout Europe, the Miller® by Sperian brand is supported at a local level through our highly trained field sales force, a network of fall protection specialists and experienced customer service staff. Miller Service points are conveniently located throughout the world for trouble-free maintenance of your fall protection equipment.

Focus on Innovation

At our ISO 9001 certified manufacturing facilities in Europe, we ensure that every Miller® by Sperian product is made in accordance with the standards and meets your exacting requirements.

- **Revolution R5**

  The Turning Point in Harness design with 8 innovations

  See page 16

- **Miller DuraFlex®**

  The patented stretch harness for construction and general industry!

  See page 18

- **Miller Manyard®**

  The first stretch lanyard with integrated shock-absorber!

  See page 20

- **Miller Barracuda™ scaffolding lanyard**

  Developed for scaffolder safety.

  See page 21

- **Miller-Komet Butterfly 2**

  The tree-pruning belt of champions!

  See page 55

- **Miller Falcon™**

  Lightweight, robust retractable cable lifeline.

  See page 27

The Essentials

FROM THE FUNDAMENTALS...

When collective protective systems are not feasible on a work site, a personal fall arrest system is required. This equipment is designed to secure a person to an anchorage point in such a way that a fall from height is either totally prevented or safely arrested. Whilst a worker will hopefully never have a fall, the equipment should be comfortable enough for all day wear.

A Anchorage Point & Connector

Anchorage Point: Commonly referred to as a secure tie-off point (eg: a girder, scaffolding, lifeline). The anchorage point:

- must **have a static resistance** >10kN during 3 minutes (EN795b).
- should **be located high enough to** avoid contact with a lower level should the worker fall and be as vertical as possible to the working place.

Anchorage Connector: Used to join the intermediate attachment to the anchorage point (eg webbing strap, steel sling, girder grip).

- Should **be adapted to the anchorage point** and have a minimum static resistance of 15kN for 3 minutes (EN362).

B Body Wear

Full Body Harness: The personal protective equipment worn by the worker.

- Its role is to **hold the worker if a fall occurs,** so that the worker will not be injured nor slip out of the harness.
- The safest form of body wear for use in fall arrest applications is the full body harness. Belts can be used for work positioning and restraint applications.
- It should be selected based on the work to be performed and the work environment.
- Each anchorage point on the harness should have **a static resistance >15kN for 3 minutes** (EN361 and EN358).

C Connecting Device

Intermediate attachment: This is the critical link that joins the harness to the anchorage point or connector (eg. shock absorbing lanyard, fall limiters and self-retracting lifelines, rope grab).

- Its role is to **limit the free fall of the worker** and should be selected based on work to be performed and the work environment.
- **The potential fall distance must be calculated** to determine the type of intermediate attachment to be used. (see page 9)

Individually these components will not provide protection from a fall. Used properly in conjunction with each other, however, they form a Personal Fall Arrest System that becomes vitally important to safety on the jobsite and the overall fall protection programme.

TO THE TECHNICAL...

When worksite access is not feasible by traditional methods (platform, mewp...) a worker may be required to use technical height access equipment.
In this case, the Fall Protection Equipment goes beyond a basic fall arrest system: it becomes the essential equipment required by the worker to carry out a job in a secure, hands-free position at height.

A Anchorage Point & Connector

Anchorage Point:
a secure tie-off point (quadpod, Söll Glideloc® and Xenon permanent fall arrest systems...
Anchorage Connector:
used to join the intermediate attachment to the anchorage point.

B Body Wear

Full Body Harness:
May be a sit harness with padded leg straps or seat for work in suspension or a full body harness with padded waist belt for a supported hands-free work position.

- It should allow **full freedom of movement** and protect the worker if a fall occurs, so that the worker will not be injured nor slip out of the harness.
- It should be selected based on the work to be performed and the work environment.

C Connecting Device

C1: Intermediate attachment:

This is the critical link that joins the harness to the anchorage point or connector (eg. rope grab, lanyard, fall limiter...).

- Its role is to limit the free fall of the worker and should be selected based on work to be performed and the work environment.

C2: Work positioning system:

This is the unit used to hold a worker in a secure, hands-free working position (eg work positioning lanyard, locking descender).

- In a rescue situation, this device may need to support the weight of two people.

The Essentials

Fall Protection Legislation

• Every day in Europe at least one person dies from a fall from work at height.

Fall protection equipment need not be a hindrance!
Sperian Fall Protection equipment represents a genuine working tool that offers important benefits such as increased productivity, reduced risks and diminished user fatigue.

The Legislation:
European legislation states that fall protection measures must be put in place by the employer of any person working at a height where a fall hazard exists.

Collective Systems versus Personal Protective Equipment (PPE)
If it is not feasible to eliminate the hazard using a collective system then personal protective equipment (PPE) must be selected and used, be it for restraint, work positioning, rescue or fall arrest purposes. This system consists of a full body harness, an intermediate attachment and an anchorage connector. The systems can only be used if a suitable anchorage point is located close to the work area.

The personal protective equipment manufactured by Bacou-Dalloz includes fall protection systems designed to save the life of the worker (Category 3 – PPE against mortal or serious and irreversible danger). Each product conforms to the harmonised European Standards.

FIVE FUNCTIONAL CATEGORIES

1 - Fall Arrest:

The legislation states that a fall arrest system be used when working at a height where a fall hazard exists. This system consists of:
- anchorage point /anchorage connector
- body wear - full body harness*
- intermediate attachment with shock absorbing element.

2 - Work Positioning:

A positioning system is used to hold a worker in place allowing a hands free work environment at elevated heights. This typically consists of:
- anchorage point/ anchorage connector
- body wear - harness or belt**
- intermediate attachment - positioning lanyard and fall arrest system.

3 - Confined Space:

Primarily used when workers must enter tanks, manholes, etc. and may require retrieval from above, should an emergency occur. This typically consists of:
- anchorage point: tripod, davit arm
- body wear - full body harness (2 or 3 anchorage points)
- intermediate attachment - retractable lifeline / retrieval unit.

4 - Rope Access:

When traditional access methods are not feasible, rope access systems will suspend the operator at the work site and provide for hands-free positioning. This system consists of:
- anchorage point / anchorage connector
- body wear - 2 or 3 point full body sit harness
- intermediate attachment - Static line with rope grab and static rope with ascenders and controlled descent devices

5 - Rescue:

Carried out within a minimum delay and without any risk of a fall, rescue may involve self evacuation, or a more technical evacuation involving a fully trained and specialised team.
- anchorage point (eg quadpod) / anchorage connector
- body wear - 2 or 3 point full body harness + rescue sling, triangle or stretcher
- intermediate attachment – evacuation unit, fall arrest device, pulley systems for hauling

* When choosing personal fall protective equipment, it is recommended that you plan for a possible rescue or evacuation. A 2 or 3-point harness will allow you to attach a rescue device.
** Positioning belts can only be used without a harness when a fall hazard does not exist.

Standard	Heading*
EN12841/C	Rope access systems: back-up devices
EN341	Descenders
EN353-1	Guided Type Fall Arresters –Rigid Anchorage Line and Rails
EN353-2	Guided Type Fall Arresters – Flexible Anchorage Line
EN354	Lanyards
EN355	Shock Absorbers
EN358	Work Positioning Systems
EN360	Retractable Type Fall Arresters
EN361	Full Body Harness
EN362	Connectors
EN795(b)	Anchorage Devices - Class B
EN813	Sit Harness
EN363	Fall Arrest Systems

*Contact Sperian for any further information

CE

All products are CE certified

SELECTING THE RIGHT HARNESS!

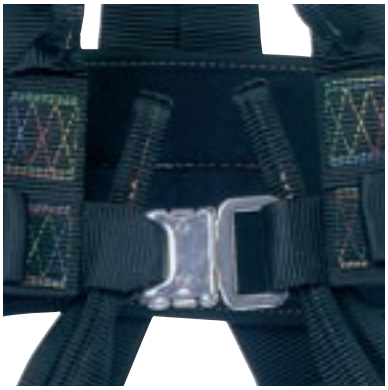
Anchorage Points

Rear Anchorage:
The rear D-ring on a harness is the basic attachment point for fall arrest. It is suitable for standard site work where the worker only needs to be attached for safety and does not need to work in suspension.

Front D-Rings and Front Anchorage Loops:
Used for a comfortable, fall arrest anchorage point, usually in conjunction with a guided type fall arrester or winch for ascent and descent. Used in a variety of confined space, rescue, climbing and work positioning situations.

Side D-Rings on belt:
A work-positioning lanyard is attached to the side D-rings to enable the operator to work with his hands free. These are not suitable for fall arrest.

Automatic buckles:
Provide an easier to fit solution for a harness. Ideal when harness is removed frequently or should be fitted quickly (rescue, maintenance...).



Additional Features

Belt:
A padded belt is recommended for work positioning.
The greater support increases worker productivity.

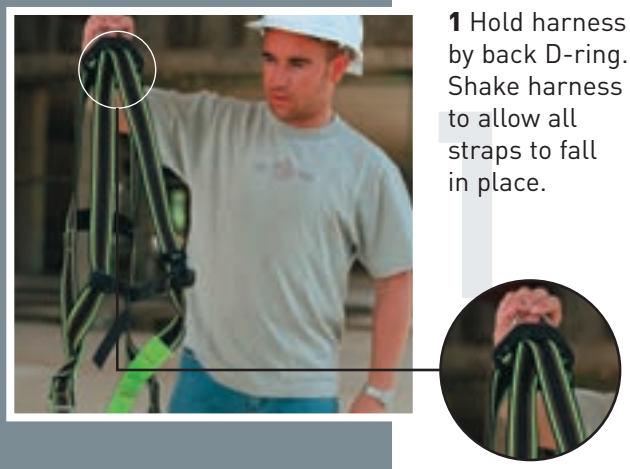
Leg straps:
Padded leg straps are essential for suspension work: the straps distribute the load across the buttocks and back thus reducing the risk of injury.

Seat Strap:
The seat strap is essential for worker comfort during prolonged periods of work in suspension.

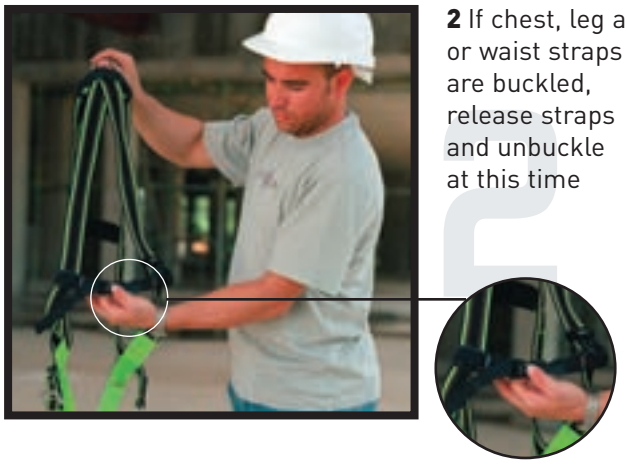
Harness Essentials

6 EASY STEPS THAT COULD SAVE YOUR LIFE

How to put on a harness

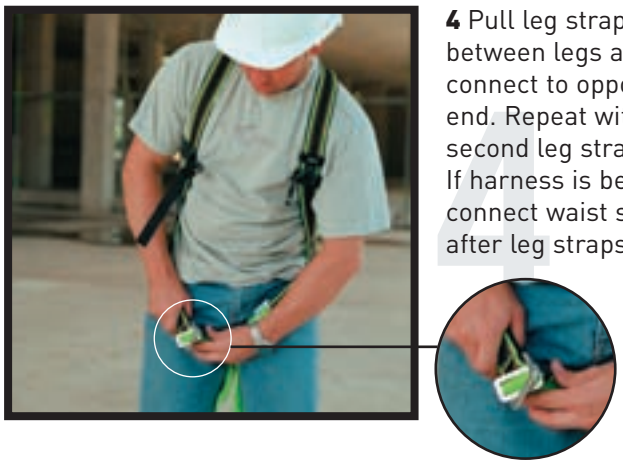


1 Hold harness by back D-ring. Shake harness to allow all straps to fall in place.



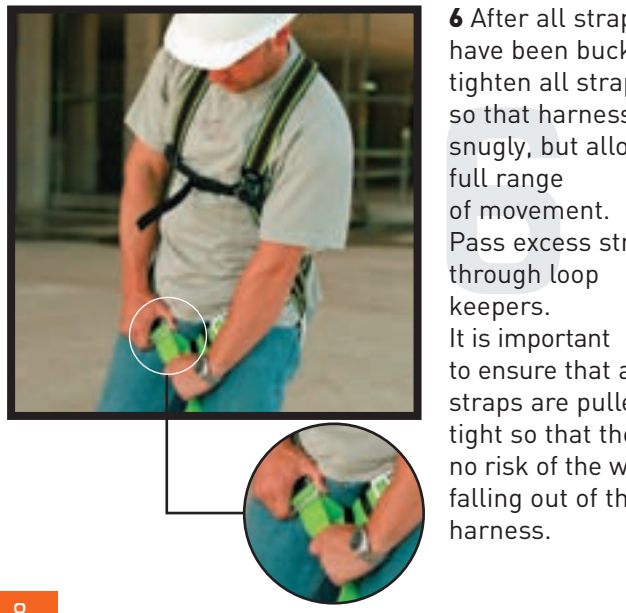
2 If chest, leg and/or waist straps are buckled, release straps and unbuckle at this time

3 Slip straps over shoulders so D-ring is located in middle of back between shoulder blades



4 Pull leg strap between legs and connect to opposite end. Repeat with second leg strap. If harness is belted, connect waist strap after leg straps.

5 Connect chest strap and position in mid-chest area. Tighten to keep shoulder straps taut.



6 After all straps have been buckled, tighten all straps so that harness fits snugly, but allows full range of movement. Pass excess strap through loop keepers. It is important to ensure that all straps are pulled tight so that there is no risk of the worker falling out of the harness.

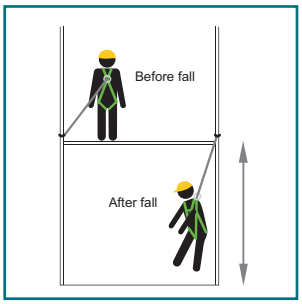
GETTING TO GRIPS WITH THE WORK HAZARDS!

Understand your fall factors to reduce the risks!

There are three fall factors in fall arrest that relate to the position of the anchorage point. They are used to determine the potential fall distance of a worker and so ensure that there is no risk of contact with the lower level in the event of a fall. When possible, the worker should always use an anchorage point at shoulder level or above (Factor 1 or 0). A higher anchorage point will reduce the fall distance and therefore significantly reduce the risk of injury on the body due to the impact forces of a fall.

THE MAXIMUM FALL DISTANCE USING A 2M SHOCK ABSORBING LANYARD

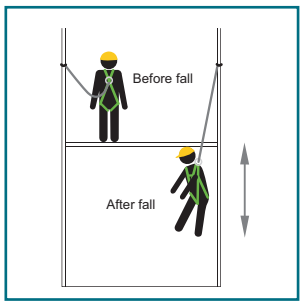
GOOD



Factor 2 (below the feet)

The worker will fall 5.75m (Twice the length of the lanyard + the deployed shock absorber)

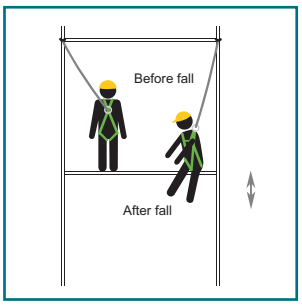
BETTER



Factor 1 (at shoulder level or above)

The worker will fall a maximum of 3.75m (the length of the worker and the deployed shock-absorber)

BEST



Factor 0 (taut above head)

The worker will fall a maximum of 1.75m (the length of the deployed shock asorber, if deployed)

CALCULATING FALL CLEARANCE

When using a shock-absorbing lanyard it is important to understand how to calculate the potential fall distance to avoid contact with the lower level.

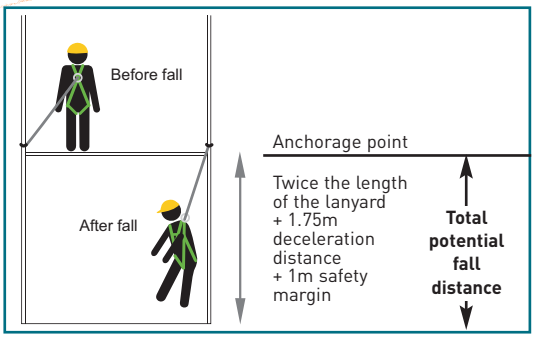
The calculation below gives the minimum fall clearance required between the anchorage point of the lanyard (at Fall Factor 2) and the lower level.

- Twice the length of the lanyard (to allow for the length of the lanyard and the height of the worker)
- +1.75m deceleration distance to allow for the elongation of the shock absorber and any give in the lanyard
- +1m safety margin

Example:

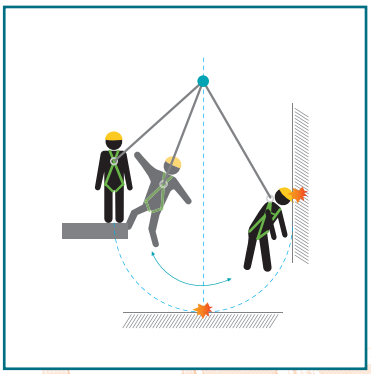
Using a 2m lanyard in fall factor 2:
2 x 2m + 1.75m + 1m.
The required fall clearance = 6.75m

Using a 1.5m lanyard in a fall factor 2:
2 x 1.5m + 1.75m + 1m.
The required fall clearance = 5.75m


Before fall
After fall
Anchorage point
Twice the length of the lanyard + 1.75m deceleration distance + 1m safety margin
Total potential fall distance

THE SWING FACTOR

If the lifeline is not anchored vertically over the working place, the worker will swing laterally in the event of a fall and can injure himself by hitting either the ground below or an obstacle to the side of him. If it is not possible to use an anchorage point close to the work station, two anchorage points either side of the worker can be used to prevent any swing.



IF IN DOUBT: FALL LIMITERS REDUCE FALL CLEARANCE < 3M

A fall limiter or self-retracting lanyard will stop a fall in centimetres and is therefore the ideal solution for low-level work where a shock-absorbing lanyard is unable to stop the worker from hitting an obstacle below.

Construction

Providing the right equipment for the right work environment not only ensures worker confidence but also increases productivity.

With over 50 years of manufacturing and development experience Miller® by Sperian has developed a perfect understanding of the daily hazards in the construction work place, and can offer complete fall protection solutions for each working practice where height safety equipment is required.

As always our key design objectives are wearer comfort, practicality and performance, all of which encourage 100% wear time and therefore improved overall protection.

Construction and Industry

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Scaffolding

While erecting and working on scaffolding, my workers are at risk of falling. An accident can affect one of my employee (and their families) for life. It can also have a tremendous negative impact on my business as well. It is just not worth the risk. We chose the Miller BackPack Kit due to it convenient packaging and the DuraFlex harness. The DuraFlex harness provides comfort to my workers which has reduced complaints and improper wearing (loose fitting) of their harnesses. We want the best for our workers. They have proven that the use of fall arrest equipment can increase productivity while reducing potential work related accidents. We look forward to trying more of the new products from Miller® by Sperian.

Safety Director - U.K. Scaffolding Contractor

Miller Backpack kits

The Miller Backpack kit is a high-performance multi-purpose backpack kit featuring a 1 or 2 point DuraFlex® stretchable harness with the 2 m elasticated Manyard® shock-absorbing lanyard with scaffold hook. Both products are designed to stretch with the user and enhance comfort and productivity.

The stretchable Manyard® reduces the risks of tripping over or snagging the lanyard. TEFLON® protective finish on both the DuraFlex® patented webbing and the Manyard® outer jacket contributes to prolong the service life of this convenient and versatile kit.

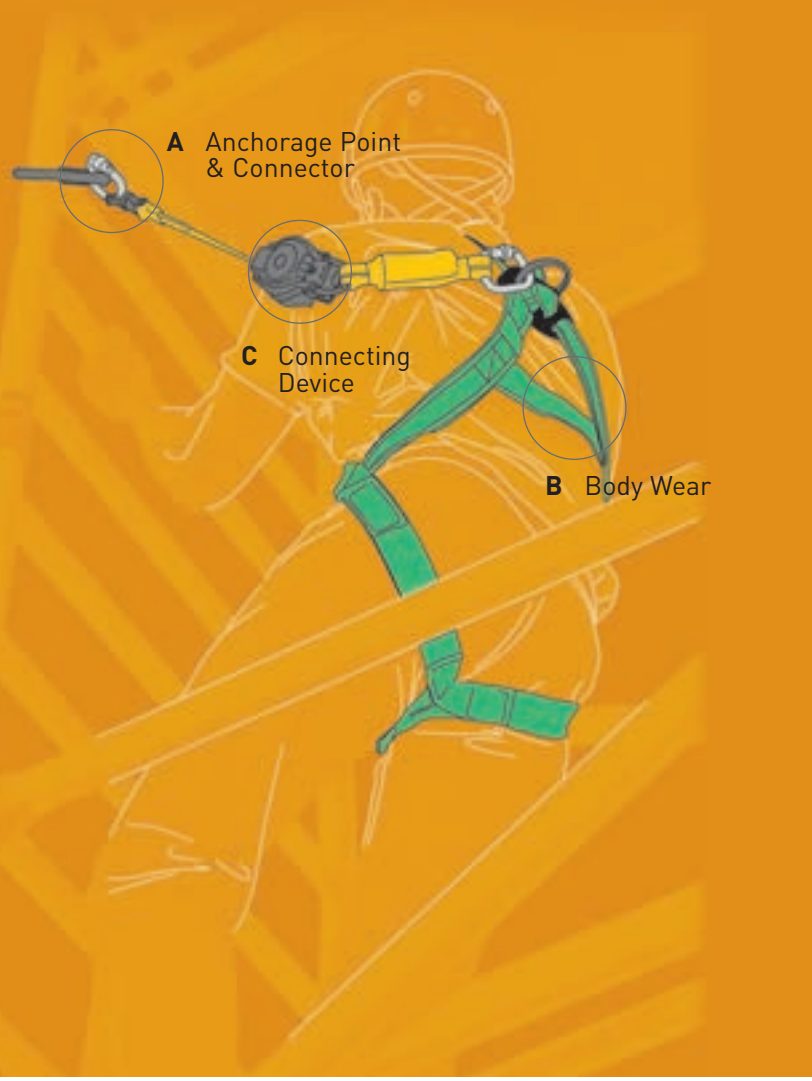
Also available in a convenient backpack kit are the Miller Scorpion™ and the Miller Falcon PFL.

See page 30

- Industry

The Fundamentals Scaffolding

Fall Arrest Equipment is worn by the scaffolder during the erection, alteration and dismantling of scaffolding. The scaffolder is limited in the choice of anchorage point. It is important to use as high an anchorage point as possible in order to reduce the risk of injury in the event of a fall. Using the new Barracuda™ Lanyard it is possible to connect to the vertical scaffolding tube above waist height. Otherwise the scaffolder is limited to a Factor 2 connection below the feet. Comfort and full freedom of movement are essential for the scaffolder, who will wear this equipment all day long.



Revolution R2 with DuraFlex® New

The Revolution Harness with DuraFlex® webbing is the most comfortable harness on the market.
The patented elasticated webbing and rotating PivotLink connections at the waist allow full freedom of movement for crouching down or moving around the worksite. This enhanced productivity guarantees optimum productivity.

Ref.:	SIZE:
10 142 36	S
10 142 37	M/L

☐ **B** ☐

Barracuda™ Scaffolding Lanyard

The Barracuda™ is a pioneering anchorage clamp and fall arrest lanyard that offers the first practical anchorage connector for scaffolders. Developed through close collaboration with the scaffolding industry it dramatically improves worker safety: Designed to grip to a vertical tube above waist level, it overcomes the risks of injury from an anchorage below foot level.

Ref.: 10 104 70

A ☐ **C**

Miller Falcon™ PFL

This lightweight (only 1kg) personal fall limiter attaches directly to the rear anchorage point of the harness and can be used like a traditional fall arrest lanyard. The 1.5m retractable webbing lifeline limits the risks of tripping or snagging and enhances site safety. The durable plastic housing increases the life of the product. With a scaffold hook or standard karabiner, the Falcon™ is suitable for a wide range of applications including scaffold and steel erectors.

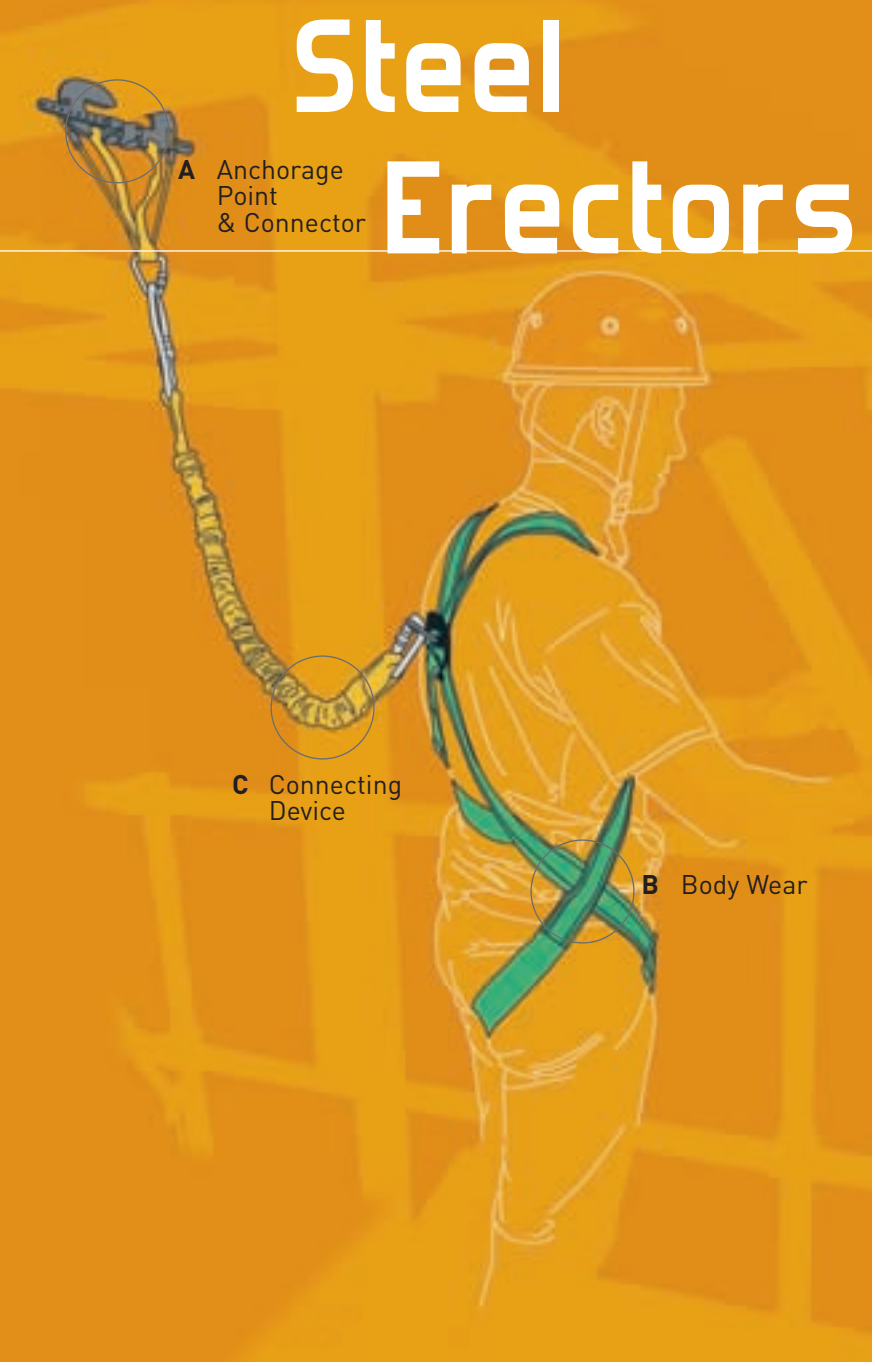
Ref.: 10 112 70	2 karabiners
Ref.: 10 115 30	Karabiner and scaf hook

Refer also to the Miller Scorpion™ (P.24) for an alternative fall limiter for scaffolding applications.

☐ ☐ **C**

MILLER by SPERIAN

Steel Erectors



During the erection of steel frameworks, the operator is exposed to narrow working surfaces at height. Particular fall hazards exist as further materials are added onto the steel (roof, concrete) as the worker is exposed to an unprotected leading edge. Work is usually carried out at the top level of the structure and so an anchorage point above foot level is often unavailable - This leads to safety issues in terms of potential fall clearances and increased fall arrest forces. Much of the steelwork is erected from MEWPS. Fall protection equipment is recommended to ensure the safety of the operators.

MA60 2-pt DuraFlex® stretch harness

The patented DuraFlex® elasticated webbing stretches with the user, guaranteeing comfort across a wide range of movements (crouching, stretching...) and therefore enhancing safety and productivity. TEFLON® hi-tech treatment on the webbing repels oil, grease and concrete dust that may erode the harness.

2-point harness with belt, rear and front anchorage (front anchorage loops) and 2 side D-rings for use with work positioning lanyard

Ref.: 10 051 36

Webbing Sling

Provides a secure anchorage point around a column or girder. Available in different sizes. Please refer to page 32. A

Beamglide

Fully adjustable, the beam glider provides a reliable anchorage point on beams of up to 360mm wide.

Ref.: 10 070 66 A

Miller Backpack kit

The Miller backpack kit contains a one-point DuraFlex® harness and 2m Manyard® lanyard with scaffold hook. This kit offers all the advantages of two premium products, conveniently packaged in a backpack for safe storage and transport.

Ref.: 10 068 83 B C

Miller 2m elasticated Manyard®

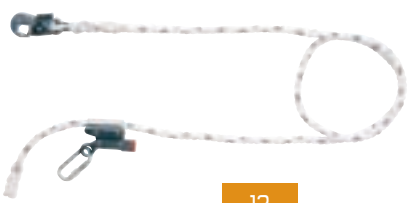
The elasticated Manyard® is a unique fall arrest lanyard designed for greater manoeuvrability and safety. When contracted, the Manyard® greatly reduces the risks of tripping or snagging. The special woven shock-absorbing core reduces the fall arrest forces. TEFLON® hi-tech protective finish on the outer jacket helps to prolong the service life of the lanyard.

Ref.: 10 053 25 C

MC03 Miller Work Positioning Lanyard

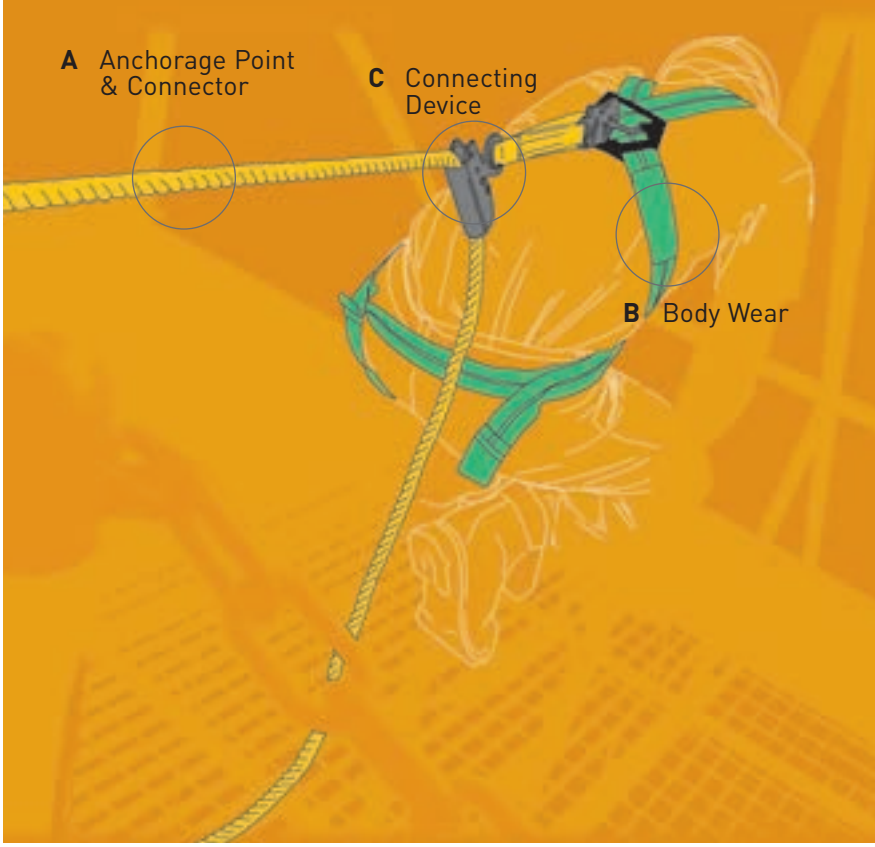
Passed around the supporting structure and connected to the side D-rings of the harness, the positioning lanyard allows the operator to work in a safe and supported hands-free position at height. Length: 2m

Ref.: 10 028 78 C



The Fundamentals Roofing

The installation, maintenance or removal of roof coverings, guttering etc, as well as the movement of persons along a roof can prove particularly hazardous. Falling through a **weak roof structure** or **slipping down a sloping roof** can typically lead to serious injury if not death. Where scaffolding, guardrails, safety nets or similar collective fall protection methods are not feasible, the person should wear fall protection equipment attached to a reliable anchorage point.



MA04 - DuraFlex® 2-pt stretch harness

The stick-run rope grab is connected to the front anchorage loops of the harness so that the operator can easily fix and adjust the length of rope whilst moving around the rooftop.
The elasticated DuraFlex® harness allows full freedom of movement and optimum user comfort as the operator crouches to work on the roof surface.

Ref.: 10 028 49

☐ **B** ☐

MF52 - Stickrun for 14/16mm anchorage rope

Easy to use, the manual position on this rope grab allows the operator to manually move the grab along the rope and fix his working position.
In this way he is prevented from reaching the fall hazard.

Ref.: 10 028 76

☐ ☐ **C**

MH00 - 14/16mm anchorage rope

Suitable for use with the Stick-run rope grab, this 14mm diameter twisted polyamide rope offers good resistance to weather and erosion from dirt and concrete dust. Available in different lengths. Available in different sizes.
Please refer to page 31.

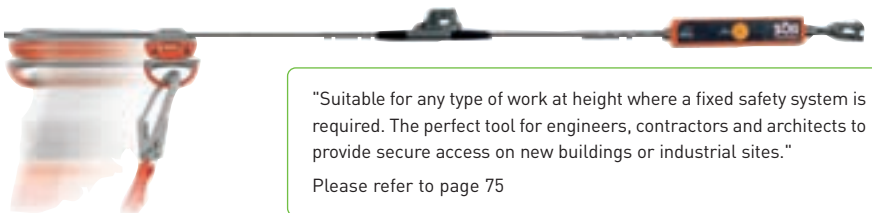
A ☐ **C**

Horizontal Lifeline

Temporary or permanent horizontal lifelines provide a reliable anchorage point for work being carried out along a roof structure.
The intermediate connecting device follows the operator freely along the lifeline as he moves around the rooftop.

A ☐ ☐

Xenon Horizontal Lifeline



"Suitable for any type of work at height where a fixed safety system is required. The perfect tool for engineers, contractors and architects to provide secure access on new buildings or industrial sites."

Please refer to page 75

MILLER by SPERIAN

Maintenance

Window cleaning, painting, and general repairs may all involve the operator temporarily working at height without a collective fall protection system.
Fall Protection equipment should therefore be used. For work activities that involve the use of elevated work platforms such as aerial lifts, fall arrest equipment is also recommended.
This includes a basic harness and shock-absorbing lanyard.
Fall protection training should be provided for any employee carrying out such work at height!

ME82 - 2m Manyard® Fall Arrest Lanyard

Lightweight and easy to use, the elasticated Manyard® is ideal for maintenance on cranes or gantries. When contracted, the elasticated shock-absorbing lanyard reduces the risk of tripping or snagging. The unique woven shock-absorbing material reduces fall arrest forces.
The TEFLON® treatment on the outer jacket helps to extend the service life of the Manyard® by repelling the oil, dirt and water that may erode the webbing.

Ref.: 10 053 18

☐ ☐ C

New

Revolution R1 with DuraFlex®

The Revolution 2-pt harness with DuraFlex® webbing is the most comfortable harness on the market for maintenance. The patented elasticated webbing and rotating PivotLink connections at the waist allow full freedom of movement for crouching or moving around the worksite. This enhanced comfort guarantees optimum productivity.'

Ref.:	Size:
10 142 20	S/M
10 142 31	L/XL

☐ B ☐

Falcon™ Self Retracting Lifeline

New

Available in 6.2, 10, 15 and 20m lengths, the Falcon™ self retracting lifeline is a lightweight, highly durable composite fall arrest block with a retractable cable lifeline and quick-activating automatic breaking system that stops a fall within centimetres.
Installed in warehouses, theatres or on production lines, the block is at hand each time the operator needs to access and work on a particular site in complete safety.

Please refer to page 27 for order numbers

☐ ☐ C

MILLER REVOLUTION™ HARNESS

The turning point in harness design

Based on key user identified needs Miller developed 2 distinct ranges of Revolution harnesses:

Miller Revolution Construction and Maintenance harnesses

Designed for Construction and Maintenance activities such as scaffolding, steel erection, tower building and various maintenance situations, the PivotLink™ connection is located at waist level for a better ergonomic fit when bending or squatting.

R1

Miller® Revolution Basic

The heavy-duty harness for unrivalled comfort and freedom of movement

- with standard fixing buckles

Ref.:	Description	Size:
1014220	Duraflex stretch webbing	S/M
1014231	Duraflex stretch webbing	L/XL
1014232	Duraflex stretch webbing	XXL*
1014233	DualTech webbing	S/M
1014234	DualTech webbing	L/XL
1014235	DualTech webbing	XXL*

R2

Miller® Revolution Comfort

A quick-fitting harness with protective back shield

- Quick-connect buckles for easy fit.
- ErgoArmor™ Back shield for added protection

Ref.:	Description	Size:
1014236	Duraflex stretch webbing	S/M
1014237	Duraflex stretch webbing	L/XL
1014238	Duraflex stretch webbing	XXL*
1014239	DualTech webbing	S/M
1014240	DualTech webbing	L/XL
1014241	DualTech webbing	XXL*

R3

Miller® Revolution Premium

- Quick-connect buckles for easy fit.
- ErgoArmor™ Back shield for added protection
- Work positioning belt

Ref.:	Description	Size:
1014242	DualTech webbing	S/M
1014243	DualTech webbing	L/XL
1014244	DualTech webbing	XXL*

* made to order

Miller Revolution Telecoms and Utilities harnesses

The ultimate solution for utilities, telecoms, windpower and electricity companies, the PivotLink™ connection is located at hip level for a smoother movement during ascent and descent.
The pivoting work-positioning belt guarantees a secure hands-free position with full freedom of movement and reach.

R4

Miller® Revolution Telecom & Utilities Harness

- Standard buckles
- Rotating work-positioning belt

Ref.:	Description	Size:
1014245	Duraflex stretch webbing	S/M
1014246	Duraflex stretch webbing	L/XL
1014247	Duraflex stretch webbing	XXL*
1014248	DualTech webbing	S/M
1014249	DualTech webbing	L/XL
1014250	DualTech webbing	XXL*

R5

Miller® Revolution Premium Telecom & Utilities Harness

A quick-fitting harness with protective back shield

- Quick fixing buckles
- Rotating work-positioning belt

Ref.:	Description	Size:
1014251	Duraflex stretch webbing	S/M
1014252	Duraflex stretch webbing	L/XL
1014253	Duraflex stretch webbing	XXL*
1014254	DualTech webbing	S/M
1014255	DualTech webbing	L/XL
1014256	DualTech webbing	XXL*

* made to order

Engineered with 8 unique components!

CAM BUCKLE

Easy one-hand adjustment allows simultaneous adjustment of shoulder straps.

CUSTOM IDENTIFICATION

Four brightly coloured permanent labels allow customisation for date, name...

WEB FINIALS

Clip on design safely organises webbing after proper adjustment

ERGO ARMOR™ BACK SHIELD

Semi-flexible back shield minimizes impact from sharp / heavy snap hooks and self retracting lifelines

INTEGRATED ACCESSORY SYSTEM

Modular attachment design provides connection points for tools and accessories

SELF CONTAINED LABEL PACK

Integrated pack encapsulates labels minimizing damage and loss

PIVOTLINK™ CONNECTION

Unique rotary design provides greater comfort in bending and mobility

DualTech

DuraFlex

2 AVAILABLE WEBBING OPTIONS

DualTech™ webbing: Donning made easy with two-sided contrasting colour webbing and textures.

Engineered with shape retention memory for a more comfortable fit

DuraFlex® webbing: Patented elastomer webbing specially formulated to stretch with the user's movements so there is no bunching or binding.

Accessories

The PivotLink™ provides a convenient attachment point for a multitude of accessories and individual tool pouches. Innovative in its design, the weight of these accessories is distributed across the hips and shoulders for a more comfortable fit.

Ref.: 1014276

Ref.: 1014270
Size: S

Ref.: 1014271
Size: L

Ref.: 1014272

Ref.: 1014274
Size: M

Ref.: 1014273
Size: L

Ref.: 1014275

Ref.: 1014278
Blue (x10)

Ref.: 1014279
Yellow (x10)

Ref.: 1014280
Red (x10)

Ref.: 1014281
Green (x10)

DuraFlex® stretch harnesses

The natural choice for greater mobility and extreme comfort

Feel the difference !

Patented Miller DuraFlex® harnesses feature specially-formulated elastomer webbing that stretches to provide:

Greater Comfort

DuraFlex® harnesses conform to the shape of the worker, stretching with every movement, so there is no bunching, binding or kinking.

Improved Safety

With unsurpassed comfort, DuraFlex® harnesses offer wider end-user acceptance. More importantly, a comfortable harness is more likely to be worn properly, enhancing compliance and safety on the jobsite.

Increased Durability

The TEFLON® high-tech protective finish on the webbing repels water, oil, grease and dirt and helps to extend the service life of the harness.

New added value from Miller® by Sperian for sustained performance and easy care.

*TEFLON® is a registered trademark of DuPont for its brand of fabric protector. Only DuPont makes TEFLON®.

Teflon® fabric protector only by DuPont

MA08 Three-point DuraFlex® harness, rear and front anchorage, with TEFLON® finish

Front anchorage D-rings

Ref.:	Size:
10 028 53	M/L
10 028 54	S
10 049 59	XXL

MA02 One-point DuraFlex® harness, rear anchorage, with TEFLON® finish

Ref.:	Size:
10 028 47	M/L
10 028 48	S

MA60 Two-point DuraFlex® heavy-duty harness, with belt, rear and front anchorage, with TEFLON® finish

Front anchorage webbing loops

Ref.:	Size:
10 051 36	M/L
10 051 37	S

MA04 Two-point DuraFlex® harness, rear and front anchorage, with TEFLON® finish

Front anchorage soft webbing loops

Ref.:	Size:
10 028 49	M/L
10 028 50	S

MA58 Three-point DuraFlex® harness, with belt, rear and front anchorage, with TEFLON® finish

Front anchorage D-rings

Ref.:	Size:
10 028 57	M/L
10 028 58	S
10 049 54	XXL

MILLER by SPERIAN

Miller® speciality harnesses

Miller Kelvar Harness 650K

1-point Kelvar / Nomex harness for exceptional heat and flame resistance.
Rear anchorage D-ring, adjustable straps and lanyard safety clips
Conforms to EN361.

Ref.:	Size:
10 123 36	S
10 123 37	M
10 123 38	L

Miller Atex Antistatic harness

Two point antistatic harness with protective back pad and automatic buckles.
Front anchorage loops and dorsal extension strap with webbing loop
Conforms to EN361 & ATEX 949CE.

Ref.:	Size:
10 150 74	S/M
10 150 75	L/XL

DuraFlex® stretch vest harness

New

Engineered for peak performance in all conditions

The Duraflex® stretch vest harness combines all the benefits of a Duraflex harness in a highly comfortable and practical vest.

- 2-pt Duraflex® stretch harness with front and rear anchorage (front webbing loops) and quick buckles
- Lightweight, durable polyester vest jacket with front zipper, multiple pockets, extra shoulder padding and lateral loops for tool bags.
- Multiple adjustments for perfect fit. Pressure studs between lining and jacket allow ready access for harness inspection.
- Both the harness and the vest offer excellent chemical and abrasion resistance.
- Miller Vest harnesses are CE certified and comply with EN361 and EN 471 Class 2 (for HI-VIS option).

Miller DuraFlex® vest harness

Ref.:	Size:
10 068 82	M/L
10 075 50	XL

Miller DuraFlex® Hi-Vis Vest Harness*

Ref.:	Size:
10 100 40	M/L
10 103 26	XL

* also available in Hi-Vis Orange

Miller DuraFlex® Vest Harness with side D-rings & work-positioning belt

Ref.:	Size:
10 134 54	M/L
10 134 55	XL

Manyard®

Stretchable shock-absorbing lanyard, for reduced tripping hazards

Light and stretchable, the Miller Manyard® moves with you.
Unsurpassed on the market, it offers:

No tripping or snagging

- A UNIQUE stretchable design for greater manoeuvrability and safety.
- When contracted, it greatly reduces the risks of tripping, snagging and dragging.
- A safety clip that straps on to the harness to hold the Manyard® when not in use, thus limiting tripping risks.

Reduces fall arrest forces

- Special woven shock-absorbing inner core which reduces fall arrest forces.
- Heavy-duty tubular outer jacket which serves as a back-up lanyard and also as a protective sleeve.

Improves safety

- Unique warning flag which provides visual proof that a lanyard has been involved in a fall and should be removed from service.
- Reliable visual inspection. The integral red core becomes visible if the outer jacket is damaged or worn, and unfit for service.

Improved durability

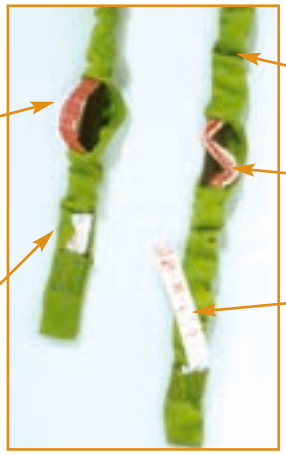
The TEFLON® hi-tech protective finish on the outer tubular jacket prolongs the service life of the Miller Manyard®.

The Miller Manyard® unique warning flag

BEFORE A FALL

Integrated shock-absorbing material.

Unique red warning flag still undeployed.



AFTER A FALL

Heavy-duty, tubular outer jacket, serving as a back-up lanyard.

Material has absorbed the forces by stretching.

Warning flag which pops out to show that the Manyard® has been involved in a fall.

Also available in a practical backpack kit with the 1 or 2-point DuraFlex® stretch harness. For further details please refer to P.29

Teflon® fabric protector only by DuPont

ME82 - Manyard® complete with 2 galvanised connectors (ML00), with TEFLON® finish

Ref.:	Length:
10 053 17	1.5m
10 053 18	2.0m

ME86 - Manyard® complete with 63mm scaffold hook and galvanised connector, with TEFLON® finish

Ref.:	Length:
10 053 24	1.5m
10 053 25	2.0m

ME83 - Manyard® complete with snap hook and galvanised connector, with TEFLON® finish

Ref. :	Length:
10 053 26	1.5m
10 053 27	2.0m

The products are CE-certified and conform to EN 354 and EN 355

Miller Barracuda™ Scaffolding Lanyard

The ultimate fall protection solution for scaffolders

Safer

Designed to grip onto vertical scaffolding tubes with a diameter of 48.3 to 50mm, the Barracuda™ is the only practical system that allows anchorage above waist height, thus significantly reducing the fall arrest forces from a fall and consequently the risk of injury.

Easy-to-use

The innovative anchorage clamp is easily fitted using one hand thus allowing the scaffolder to keep one hand free for carrying tools or for steadying themselves whilst working.

Greater mobility

The anchorage point above waist height rather than below the feet offers the scaffolder a greater working area and leads to greater productivity.

The NEW Miller Barracuda™ Scaffolding Lanyard combines a unique vertical anchorage clamp with a fall arrest lanyard in one compact unit. It is the only practical fall arrest system for vertical scaffolding tubes and significantly enhances the safety of workers erecting, dismantling and altering scaffolding.

- **Double gripping mechanism tightens the grip on the vertical tube as you pull down on it**
- **Stainless steel connecting device for corrosion resistance**
- **Lightweight: 1.2kg including lanyard.**
- **Polypropylene grip for easy handling**

- **Conforms to EN 355 and EN795b**

Barracuda™ Scaffolding Manyard®

A 1.75m elasticated Manyard® with integrated shock absorber, vertical scaffold clamp and screwgate karabiner. The elasticated lanyard reduces tripping and snagging hazards. TEFLON® hi-tech protective finish helps to prolong the service life of the unit.

Ref.: 10 104 70

Adjustable Barracuda™ Scaffolding Lanyard

An adjustable 1.2m rope lanyard with shock absorber, vertical scaffold clamp and screwgate karabiner for restraint and fall arrest.

Ref.: 10 086 71

In the event that the lanyard needs replacing, the unit can be returned to the factory to fit a new lanyard. Please refer to your Miller Sales Representative for further details.

Barracuda™ Scaffolding Lanyard

A 1.75m fall arrest rope lanyard with shock absorber, vertical scaffold clamp and screwgate karabiner.

Ref.: 10 101 41

Which product do I use?

Lanyards Maximum length 2 metres. For work requiring limited movement and where there is a sufficient potential fall distance.

Fall Arrest Blocks
2.5-40m. Automatic retractable cable allows freedom of movement. For workers who need to move relatively quickly up and down on a worksite. The automatic braking system arrests a fall in seconds, making this especially suitable for low-level work.

Rope Grabs For freedom to move around an elevated work site (this could be horizontal or vertical, fixed or flexible). In the event of a fall the guided type fall arrester grabs onto the anchorage line and arrests the fall, resulting in limited travel.

Lanyards

Durable, lightweight components for maximum safety and comfort

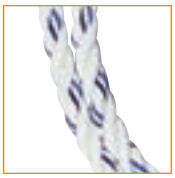
Miller® by Sperian has a comprehensive range of lightweight, versatile restraint and fall arrest lanyards designed for maximum protection.

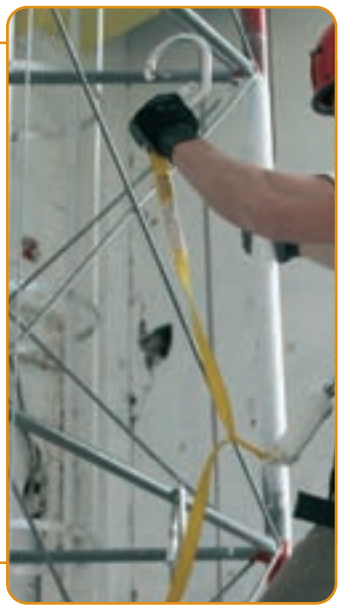
The Miller fall arrest lanyards feature a built-in shock absorber which limits the fall arrest force in a fall situation to within 6 kN.

What's the difference?

Rope or Webbing Lanyards

The choice is primarily one of habit since they both offer the same high level of performance.





Restraint Lanyards (polyamide rope – 12mm)

MD00

Ref. : 10 028 81

MD06

Ref. : 10 028 87

A restraint lanyard is used to restrict the worker's movement to prevent him reaching a location where a fall hazard exists.

Reference	Order No	Length (m)	Connector		Connector	
MD00	10 028 81	1	Loop		ML00	
MD00	10 028 82	2	Loop		ML00	
MD02	10 028 83	1	ML00		ML00	
MD02	10 028 84	2	ML00		ML00	
MD02	10 047 11	1.5	ML00		ML00	
MD06	10 028 87	0.35	Loop		2 x ML00	

Shock-absorbing Lanyards

ME02

Ref. : 10 029 03

ME05

Ref. : 10 045 90

ME52

Ref. : 10 029 07

Shock-absorbing Lanyards

Reference	Order No	Length (m)	12mm Rope	23mm Webbing	Connector		Connector	
ME00	10 029 01	1.8		●	None		• None	
ME02	10 029 03	2		●	ML00		• ML00	
ME03	10 029 04	2		●	ML06		• ML06	
ME05*	10 045 90	2		●	ML00		• 2 x 63mm Scaffold Hook	
ME06	10 052 79	1.5		●	ML00		• 63mm Scaffold Hook	
ME06	10 045 79	2		●	ML00		• 63mm Scaffold Hook	
ME51	10 029 06	2	●		ML00		• 63mm aluminium Scaffold Hook	
ME52	10 029 07	2	●		ML00		• ML00	
AMORSTOP	10 032 16	1.5	●		ML00		• ML00	
ME53	10 045 78	2	●		ML00		• 22mm Snap Hook	
ME53	10 052 90	1.5	●		ML00		• 22mm Snap Hook	
ME54	10 045 91	2	●		ML00		• 50mm Scaffold Hook	
ME54	10 052 78	1.5	●		ML00		• 50mm Scaffold Hook	
AMORSTOP	10 032 15	2	●		ML00		• 63mm Scaffold Hook	
AMORSTOP	10 032 20	1.3	●		None		• None	

* 100% tie-off

Miller Personal Fall Limiters

The cost-effective alternative to shock-absorbing lanyards

Ideal for low-level work.

The Miller Range of Personal Fall Arresters are self-retracting blocks with a quick-activating braking system that limits a free fall to centimetres, with reduced fall arrest forces.

Enhanced Safety

In contrast to shock-absorbing lanyards, a PFL eliminates the need for an extended fall distance clearance, as the fall is arrested within centimetres.
This minimises the risk and makes rescue easier. The retractable lifeline reduces the risk of tripping or snagging.

Increased Versatility

Compact and lightweight, the Miller PFLs can be attached directly to the harness D-ring and used like a shock-absorbing lanyard. Most units are longer than traditional lanyards, therefore offering greater manoeuvrability.

Greater Cost-Effectiveness

Competitively priced, the longer service life of the Miller PFLs make them an economical alternative to shock absorbing lanyards.

Miller Scorpion™

Extremely robust and lightweight, the Scorpion™ PFL features a fall indicator, corrosion-resistant internal parts, stainless steel / aluminium body and high impact polymer cover. Weight 1.6kg

Lifeline Material: TEFLON® treated polyamide webbing.

Teflon® fabric protector only by DuPont

Scorpion™ PFL with screwgate karabiner and swivel snap hook

Ref.: 10 085 87 — Length: 2.7m

Scorpion™ PFL with swivel scaff hook (63mm) and snap hook (22mm)

Ref.: 10 085 88 — Length: 2.8m

Scorpion™ PFL with swivel karabiner and alloy scaff hook (63mm)

Ref.: 10 085 94 — Length: 2.8m

Scorpion™ PFL with swivel snap hook for D-ring and alloy scaff hook (63mm)

Ref.: 10 085 93 — Length: 2.7m

MILLER by SPERIAN

NEW! Unique snap-hook design for easy attachment to harness D-ring

Miller Falcon™ PFL

The lightest personal fall arrester on the market (only 1kg) with a compact plastic housing and a 1.5m retractable webbing lifeline. The shock-absorber also acts as a fall indicator.
Lifeline material: 15mm polyamide webbing

Falcon™ PFL with swivel and 2 screwgate karabiners

Ref.:	Length:
10 112 70	1.75m

Falcon™ PFL with swivel karabiner and scaff hook (63mm)

Ref.:	Length:
10 115 30	1.9m

Miller Minilite™ Fall Limiter

The lightweight, palm-sized self-retracting fall arrest block with a quick activating braking system that limits freefall to centimetres. The 3 metre retractable webbing allows greater freedom of movement. The high-impact composite housing and corrosion resistant interior increase the product durability.

Ref.:	Connectors
10 061 00	MI10 - Minilite 3,1 with 1 connector ML00 and 1 swivel snap hook 22 mm
10 061 01	MI11 - Minilite 3,1 with 1 snap hoop 22 mm and 1 swivel scaffold hook 50 mm
10 061 02	MI12 - Minilite 3,1 m with 1 connector ML00 and 1 snap hook 22 mm

MI20 Inertia reel fall arrester

With a working capacity of 2.5m, the MI20 features an integral shock-absorber to reduce the impact force of a fall, and comes with two screw karabiners.

Lifeline material:
48mm polyamide webbing

Ref.:	Length:
10 028 71	2.5m

The products are CE-certified and conform to EN 360

Miller Fall Arrest Blocks

Safety and comfort with freedom to move

Miller® by Sperian offers the most comprehensive range of fall arrest blocks including robust lightweight composite blocks and heavy-duty fall arrest and rescue models with metallic housing. Choice of lifeline materials: webbing, stainless steel, and galvanised steel.

Application

The ideal fall protection solution for construction, industrial, warehouse, utility, mining and confined space applications. For full product details, ask for separate technical specification sheets.

Miller Mightylite™ Self-Retracting Lifelines

Heavy-duty performance from a compact and easy-to-use block that features pressed steel housing, stainless steel springs and a fall indicator.
Supplied with a swivel snap hook.

Miller Black Rhino Self Retracting Lifelines

New

The smallest and lightest 3-metre cable lifeline on the market. The robust housing and corrosion resistant cable and internal components are designed to endure the daily rigours of harsh environments. Meets all applicable global industry standards. Supplied with load indicator.

Black Rhino with swivel screwgate karabiner and swivel snap hook (22mm)

Ref.: 10 124 10

Black Rhino with swivel scaffold hook (63mm) and swivel snap hook (22mm)

Ref.: 10 123 92

MightyLite - Steel Housing			Cable				
Ref.:	Length (m)	Weight (kg)	Stainless steel ø 4.8mm	Galvanised wire ø 4.8mm	Webbing 25mm	Handle	Order No
MI50	6.2	4		●			10 028 20
MI70	6.2	3.5			●		10 028 27
MI54	10	5.6		●			10 045 71
MI71	15.5	9.4			●		10 028 28
MI55	15	9.5		●		●	10 045 73
MI55	15	9.5	●			●	10 045 92
MI56	20	14.9		●		●	10 045 72
MI56	20	14.9	●			●	10 045 93
MI57	30	19		●		●	10 045 74
MI57	30	19	●			●	10 045 94
MI58	40	23.6		●		●	10 045 75
MI58	40	23.6	●			●	10 045 95

Miller Falcon™ Self-Retracting Lifelines

The safest, most robust and comprehensive range of composite retractable lifelines on the market.

Lifetime housing guarantee*

The nearly indestructible, high impact-resistant nylon housing withstands the harsh rigours of the toughest applications. Smooth, round edges increase durability.

Greater Cost Savings

No need for an annual factory recertification: An authorised competent person can annually inspect the Falcon SRL and, if it fails, return it to the factory or to a Bacou-Dalloz authorised service centre. The result is reduced down time and lower cost of ownership.

Enhanced Safety

The quick-activating braking mechanism stops a fall within centimetres allowing for a quick and safe rescue. A highly-visible load indicator identifies that the unit should be removed from service.

Greater Comfort of Use

Lightweight, with a built-in handle on the 15 and 20 metre units, the unit is easy to handle and transport to/from jobsites. The unique side payout design reduces wear on the entry guide and cable and ensures a smooth operation with less resistance.

Tested and Approved for Horizontal Applications

when used with the appropriate manufacturer recommended equipment. Contact Customer Service for additionnal information.

Xtreme DURABILITY

6.2 and 10m model

15 and 20m model

New

6m drop

*If the housing of the unit cracks or is damaged under normal, non-abusive working conditions, Miller will replace the damaged housing component(s) free of charge

Falcon™ SRL- Composite Housing			Cable			
Ref.:	Length (m)	Weight (kg)	Stainless steel ø 4.8mm	Galvanised wire ø 4.8 mm	Handle	Dimensions (mm)
10 117 28	6.2	4.1		●		255 x 213 x 101
10 117 29	6.2	4.1	●			255 x 213 x 101
10 117 42	10.0	5.0		●		255 x 213 x 101
10 117 43	10.0	5.0	●			255 x 213 x 101
10 117 46	15.0	6.7		●	●	342 x 246 x 101
10 117 47	15.0	6.7	●		●	342 x 246 x 101
10 117 50	20.0	7.7		●	●	342 x 246 x 101
10 117 51	20.0	7.7	●		●	342 x 246 x 101

CE – The products are CE certified and conform to EN360.

Additional models are available upon request.
i.e stainless steel snap hook versions (Ref.: 10 122 61-62-63)

Rope and Wire Fall Arresters

Light, industry-proven, stainless steel automatic or manual fall arresters

No other supplier can match the proven performance and 20 year experience of Miller® by Sperian in rope grabs and cable grabs - years which have resulted in simple design and reliable lightweight products. In the event of a fall or slip, they lock onto the rope or cable, arresting the fall immediately. The automatic grabs follow the worker without assistance.

Application

Rope grabs and cable grabs prevent workers from falling during ascent or descent. The range includes models for both vertical and horizontal applications. They are particularly useful on sloping roofs where retractable lifelines may react too slowly.

MG00 MicroLoc Cable Grab

MicroLoc automatic stainless steel cable grab.
Complies with EN353-1. For retrofitting onto existing ladder systems.
Ideal for harsh environments.

Ref.:	Wire cable
10 028 68	8mm
10 028 67	14mm

Automatic and manual rope grab

- Suitable for vertical, horizontal and sloping applications.
- Suitable for 10/12mm or 14/16mm rope.
- Automatic locking for vertical use – the rope glides freely over the line without manual intervention.
- Manual position for horizontal work. The user locks the grab on the rope for restraint purposes, and repositions it manually along rope.
- MF52 supplied complete with 0.3m lanyard and connector (ML00).
- Complies with EN353-2.

MF51

Ref.:	Rope
10 076 40	10mm/12mm
10 028 75	14mm/16mm

Altochut Automatic Rope Grab

- Automatic locking **for vertical use** - the rope glides freely along the rope without manual intervention.
- Suitable for 10/12mm or 14/16mm ropes.
- Option with 0.3m lanyard and connector (ML00).
- Conforms to EN353-2.

Ref.:	Rope
10 029 33	10mm/12mm
10 029 37	14mm/16mm
10 030 64	10mm/12mm + lanyard
10 030 71	14mm/16mm + lanyard

MF52

Ref.:	Rope
10 076 18	10mm/12mm + lanyard
10 028 76	14mm/16mm + lanyard

MILLER by SPERIAN

Rocker Rope Lock

Versatile and lightweight fall arrest system designed for technical rope access. Suitable for 10/12mm rope, it offers the following functions:

- Easy-to-use manual and automatic rope grab (EN353-2)
- Length adjuster for positioning lanyard (EN358)
- Tensioning device for horizontal lifeline
- And also a pulley blocking device

Ref.: 10 070 31

MH00 Anchorage Line

Suitable for vertical, horizontal and sloping applications.

- Supplied with a counterweight and screwgate karabiner
- Complies with EN696

Twisted polyamide rope suitable for 14mm / 16mm rope grabs

Ref.:	Length:
10 028 91	10m
10 028 92	20m
10 028 93	30m
10 028 94	40m
10 028 95	50m

Kernmantel rope suitable for 10mm / 12mm rope grabs

Ref.:	Length:
10 076 13	10m
10 076 14	20m
10 076 15	30m
10 076 16	40m
10 076 17	50m

MC03 Work Positioning Lanyard

Ideal for those who have to work at height in a safe and supported hands-free position. The lanyard is fitted around a supporting structure and then connected to the side D-rings on the operator's belt or harness.

- Easy-to-use aluminium jaw type length adjuster for progressive one-handed adjustment
- Ø 16mm polyamide rope
- Supplied with karabiner and alloy snap hook, 22mm opening

Ref	Length:
10 028 78	2m
10 028 79	3m
10 028 80	4m

Miller Fall Arrest Kits

All your fall protection equipment available in a ready-to-go kit

Miller® by Sperian makes it easy!

Miller Kits are produced specifically to provide the construction and general industry with an immediate selection of fall protection equipment to suit their requirements.

Nine kits are available offering various combinations of fall protection equipment. All kits are conveniently packed in backpacks, storage boxes or carrying cases.

Roofing Kit (Kit 2)

3-point DuraFlex® elasticated harness with rear and front anchorage D-rings and TEFLON® finish. 12mm rope lifeline, length 15m. Automatic rope grab, 12mm, with 0.3m lanyard and hook. Includes free plastic storage box.

Ref.: 10 029 09

Low Level Kit (Kit 3)

1-point DuraFlex® elasticated harness, rear anchorage with TEFLON® finish. Fall arrester, 2.5m retractable webbing. Webbing strap anchorage point, length 0.6m. Includes free plastic carry case.

Ref.: 10 029 10

Minilite™ Kit (Kit 9)

Miller Minilite™ 3.3m self-retracting fall limiter with scaffold hook. Miller DuraFlex® 1-point elasticated harness with TEFLON® finish. Includes free plastic carry case.

Ref.: 10 061 03

Construction Back-Pack Kit (Kit 11)

The number one selling kit from Miller! 1 or 2-point DuraFlex® elasticated harness, rear anchorage and 2m elasticated Miller Manyard® with 63mm steel scaffold hook, both with TEFLON® finish. Includes free back-pack.

Ref.:	Harness
10 068 83	MA02
10 078 42	MA04

Scorpion™ Backpack kit (Kit 12)

Ideal for low level work! 1 or 2-point DuraFlex® elasticated harness with quick-activating Scorpion PFL (swivel scaffold hook and snap hook). Both products with TEFLON® finish.

Ref.:	Harness
10 086 94	MA02
10 086 95	MA04

Falcon PFL Kit

Ideal for low-level work ! 1-pt DuraFlex elasticated harness with TEFLON® finish with lightweight Falcon PFL with 2 screwgate karabiners (1.75m) or karabiner and scaff hook (1.90m).

Ref.:	Connector
1002651	2 karabiners
1002652	Karabiner and Scaff hook

Miller Accessories

Miller Relief Step

Designed to alleviate the effects of suspension trauma on a worker who has fallen in his harness. The Relief Step can be attached to any brand of harness and is easily deployed for a short term solution to the worker's safety and comfort.

Ref.: 11 002 11
Display box of 12 pairs
in clamshells

Rope Bag

Robust rope bag in bright yellow Topspan water-proof material, complete with carrying strap and karabiner (also available in black)

Ref.:

10 070 69	for 100m of 11mm rope
10 070 55	for 200m of 11mm rope
10 070 54	for 50m of 11mm rope

Tool Bandit

When performing jobs at heights, workers can sometimes lose their grip. Tools are often dropped, reducing on-the-job efficiencies and potentially causing serious injuries to workers below. The Tool Bandit can be fixed to the worker's belt or wrist and is designed to secure the tool whilst still allowing enough freedom of movement to get on with the task.

Ref.: 11 002 10
Display box with 12 Bandit Lanyard Tool holders in clamshells

Ref.: 10 124 91
Bulk bag of 36 WristBandit Tool Holders

Equipment bag

Convenient equipment bag with carrying strap and two shoulder straps. Zip opening on the front for quick access to all equipment . Red PVC covered nylon. Also available in black.

Ref.:	Color
10 070 52	red
10 102 11	black

Anchorage Points and Connectors

A complete range of easy-to-install anchorage devices for all applications

Miller® by Sperian boasts a complete range of anchorage points and connectors - karabiners, safety hooks, girder grips - to ensure a complete and reliable Miller fall protection solution. It also includes the equipment and accessories to set up lifelines where quick temporary overhead anchorage is required.

Anchorage Points

Possibly the most important aspect of a fall protection system, it is important to select a reliable anchorage point to ensure full safety. This should :

- **have a static resistance > 10kN**
- **be located at a safe distance above any lower obstacles.**
- **and, be as vertical as possible to the work station to avoid the pendulum effect**

MJ00
Webbing anchorage sling

23mm polyester webbing

Weight: 0.21kg

Breaking strength >10kN

Ref.:	Length
10 029 16	0.6m
10 029 17	0.8m
10 032 45	1.0m
10 029 18	1.2m
10 029 19	1.5m

MJ51
Galvanised Steel Sling

6.3mm galvanised steel with protective plastic sheath.

Opening: Ø 300mm
(250 x 250mm square structure)

Weight: 0.28kg

Breaking strength: >15kN

Ref.:	Length
10 028 97	1m

MJ52
Wire Girder Grip

Stainless Steel

Weight: 0.42kg

Breaking strength >20kN

Ref.:	Opening
10 028 31	140mm
10 028 29	75mm
10 028 30	100mm

Beam Glide

Fully adjustable aluminium beam anchorage device suitable for beams widths up to 360mm. Breaking strength: 22kN. Weight: 1.4kg

Conforms to EN 795b

Ref.: 10 070 66

MJ50
Stainless steel connector

Opening: Ø 150mm
(or 120 x 120mm square structure)

Weight: 1.27kg

Breaking strength: >20kN

Ref.: 10 028 96

MN10
Miller Aluminium Tripod

Mobile anchorage point for confined spaces.
Please refer to Page 48 for further information

Length: 2.10m

Ref.: 10 050 41

See page 48 for additional information

MILLER by SPERIAN

Miller Serpent Temporary Horizontal Lifeline

The durable solution for construction

- Durable braided rope with two galvanised connectors.
- Maximum working length 12 metres.
- Fast and easy to install.
- Fixing to either permanent anchorage points or temporary webbing anchorage slings.
- For use by one person only.
- Supplied with two 1.5m webbing anchorage slings.
- Complies to EN795b.

Ref.: 10 076 10

Fixing an Anchorage Point from a Distance

Miller offers a range of equipment to set up lifelines where quick, temporary overhead anchorage is required:

MK01 Connector

- Easy-to-fit anchorage connector for use with telescopic pole
- Large opening is ideal for anchorage to girders, beams...
- For use in conjunction with an anchorage line

Ref.: 10 028 99
Opening: 150mm

MK02 Scaffold Hook

- Easy-to-fit anchorage connector for use with telescopic pole
- Opening to suit scaffolding tubes
- For use in conjunction with an anchorage line

Ref.: 10 029 00
Opening: 63mm

Miller MK00 Telescopic Pole

- Light-weight, fibreglass telescopic pole, 3 elements
- Compact for easy transportation
- Retracted length: 2.6m
- Weight: 2.73kg

Ref.: 10 028 98
Extended Length: 7.5m

JIRAF Telescopic Pole

- Light-weight, fibreglass telescopic pole
- 5 elements for easier deployment from the ground
- Compact for easy transportation
- Retracted length: 2.44m
- Weight: 4.6kg

Ref.: 10 029 79
Extended Length: 9.4m

Miller Connectors

Miller anchorage connectors are used for securing an intermediate attachment to an anchorage point

ML03
Twistlock karabiner

Light alloy connector with keylock, delivered in a mix of three colours

Weight: 0.076kg

Breaking strength: >28kN

Ref.:	Opening:
10 028 35	23mm

ML00/CS20
Screwgate karabiner

Galvanised connector with keylock

Weight: 0.158kg

Breaking strength: >22kN

Ref.:	Opening:
10 028 32	18mm

ML02
Twistlock karabiner

Light alloy connector with keylock

Weight: 0.085kg

Breaking strength: >22kN

Ref.:	Opening:
10 028 34	20mm

Light alloy
Screwgate Karabiner

Weight: 0.064Kg

Breaking strength: >16kN

Ref.:	Opening:
10 043 24	16mm

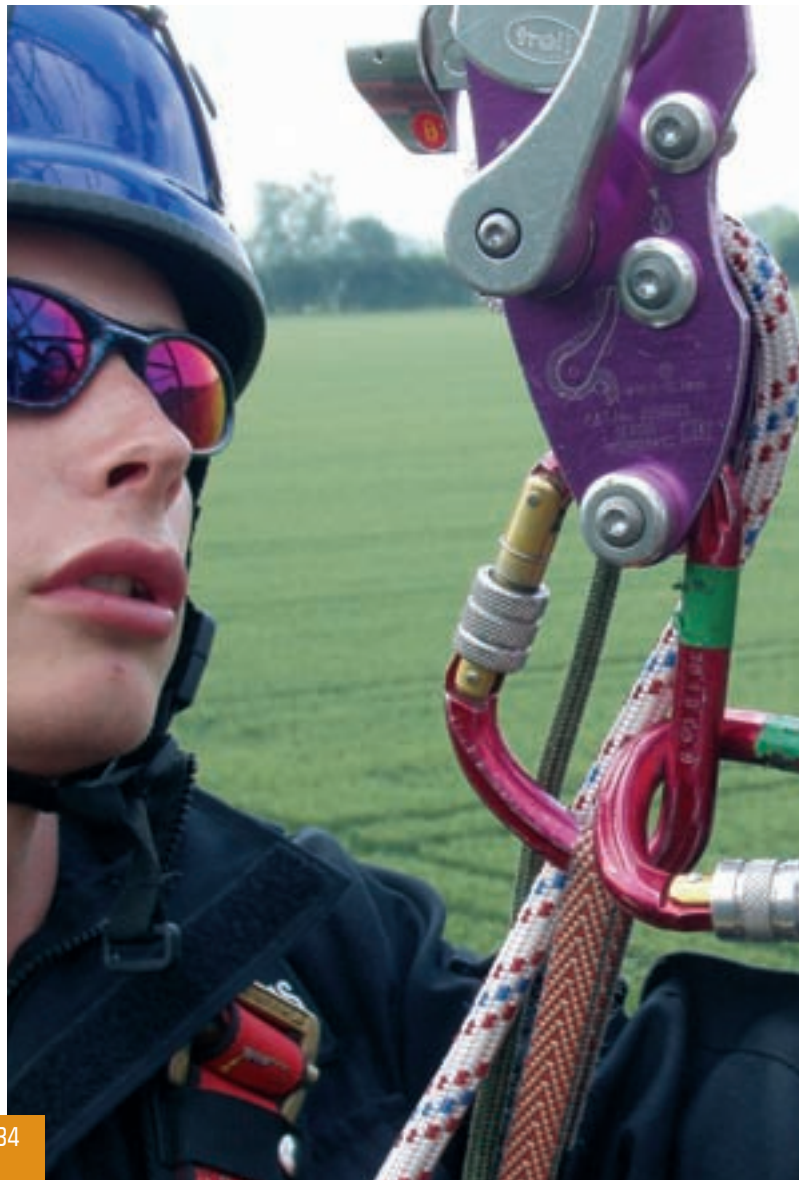
ML01
Screwgate karabiner

Anodised alloy connector with keylock

Weight: 0.072kg

Breaking strength: >28kN

Ref.:	Opening:
10 028 33	18mm



ZICRAL
Twistlock Karabiner

Anodised light alloy
Weight: 0.075Kg
Breaking strength: >28kN

Ref.:	Opening:
10 043 17	16mm

Alloy
Screwgate Karabiner

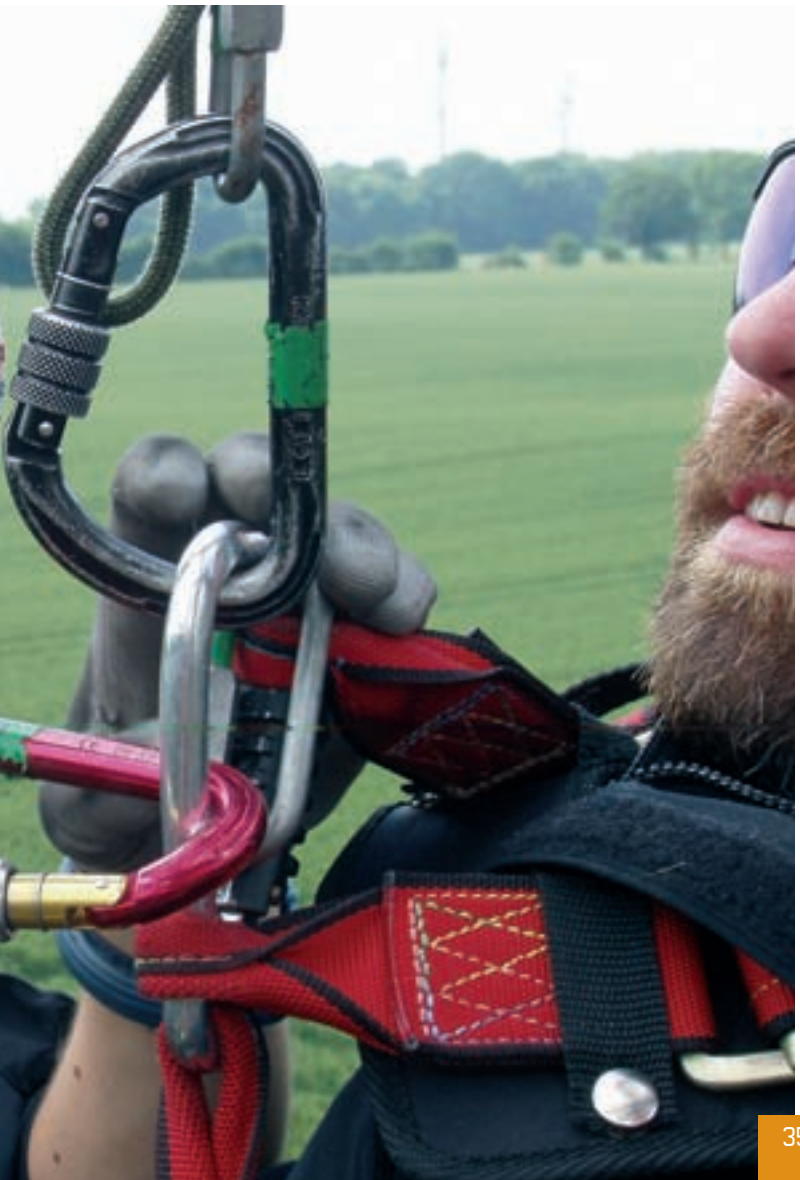
Weight: 0.100Kg
Breaking strength: >30kN

Ref.:	Opening:
10 102 40	24mm

G060
Light Alloy Connector

With self locking gate and rope latch.
Weight: 0.245kg
Breaking strength: >23kN

Ref.:	Opening:
10 043 18	62mm



ML04
Aluminium Scaffold Hook

Weight: 0.442kg
Breaking strength: >20kN

Ref.:	Opening:
10 028 36	63mm

ML05
Captive Eye Screw Karabiner

Zinc-finished connector
Weight: 0.73kg
Breaking strength: >16kN

Ref.:	Opening:
10 028 37	58mm

Ensuring safety and compliance on the jobsite.

TITAN™ is a complete range of user-friendly fall protection products that meets industry and construction compliance requirements. Standard products with some add-on features make the TITAN™ line a cost-effective choice for fall protection.

TITAN Harnesses

Lightweight, durable polyamide webbing for all day comfort and dependability

- Fully adjustable designs so one size fits all
- Sliding back D-ring for a comfortable fit
- Sub-pelvic strap keeps the wearer upright
- 45mm chest strap with metal buckle

TITAN 1-point harness

Rear anchorage

Ref.: 10 118 90

TITAN 2-point harness

Front and rear anchorage (front webbing loops)

Ref.: 10 118 91

TITAN 1-point harness with positioning belt

Rear anchorage

Ref.: 10 118 93

TITAN 2-point harness with positioning belt

Front and rear anchorage (front webbing loops)

Ref.: 10 118 94

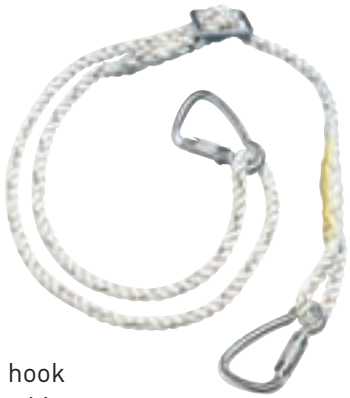
All TITAN harnesses are CE Certified and conform to EN361 and, where necessary, EN358

TITAN FPL Work Positioning Lanyard

Adjustable 12mm polyamide rope lanyard. Length 1.8m.

Ref.:

10 082 85	No connector
10 082 86	Loop and 20mm snap hook
10 082 87	Loop and twistlock karabiner
10 082 88	2 twistlock karabiners



All TITAN work positioning equipment is CE Certified and conforms EN358

TITAN Work Positioning Belt

Lightweight. 2 stainless steel side D-rings

Ref.: 10 082 32

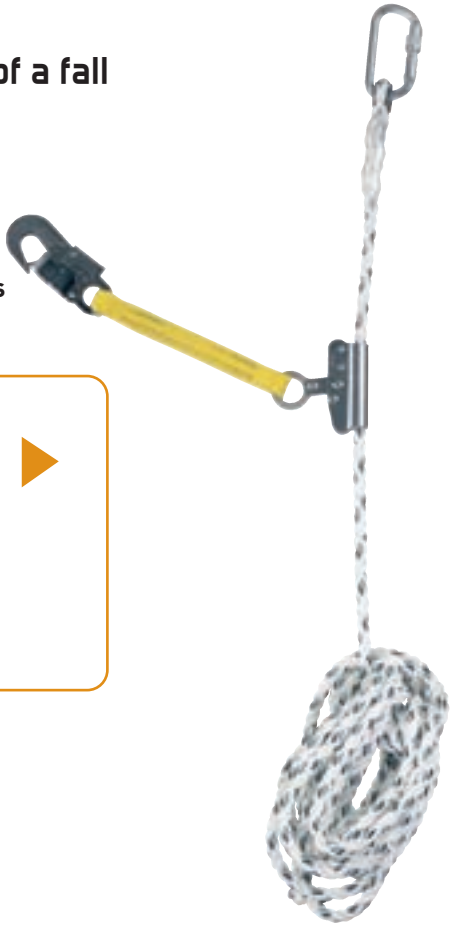
TITAN Automatic Rope Grab

Automatically locks onto the rope in the event of a fall

- **Durable, corrosion-resistant, stainless steel construction.**
- **Lightweight, easy-to-use design with hands-free operation offers maximum freedom of movement.**
- **0.3m lanyard and connector facilitates attachment to harness**
- **Includes rope anchorage line.**

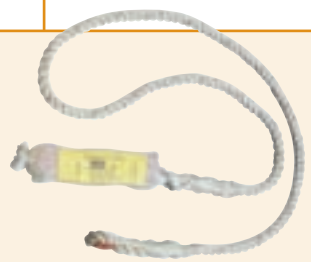
Ref.: Anchorage lines. Diameter 12mm		Ref.: Rope Grabs. Diameter 12mm	
10 113 44	10m	10 111 90	10m
10 113 45	20m	10 117 00	15m
10 113 46	30m	10 111 91	20m
		10 111 92	30m

The TITAN Automatic Rope Grab is CE Certified and conforms to EN 353-2



TITAN Shock-Absorbing Lanyards

Check your fall distance! 6.75m minimum fall clearance required for a 2m Lanyard



TITAN B

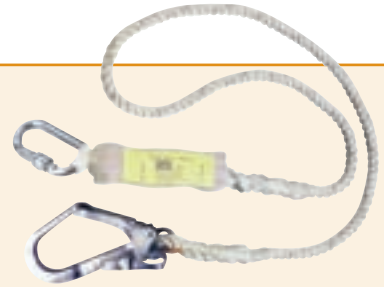
Rope shock-absorbing lanyard. No connector.

Ref.:	Length:
10 082 75	1.8m

TITAN B1

Rope shock-absorbing lanyard with snap hook and screwgate karabiner.

Ref.:	Length:
10 082 76	2.0m



TITAN C3

Rope shock-absorbing lanyard with screwgate karabiner and scaffold hook (63mm opening).

Ref.:	Length:
10 082 81	2.0m

TITAN A2

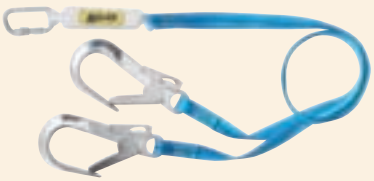
Webbing shock absorbing lanyard with screw-gate karabiner and loop

Ref.:	Length:
10 143 30	1.5m

TITAN A3

Webbing shock absorbing lanyard with screw-gate karabiner and scaffold hook (63mm)

Ref.:	Length:
10 134 30	2m



TITAN Forked

Forked shock-absorbing webbing lanyard with 2 scaffold hooks (63mm) and screwgate karabiner

Ref.:	Length:
10 134 31	2m

All TITAN shock-absorbing lanyards are CE Certified and conform to EN355

TITAN Restraint Lanyards

For use when no fall hazard exists!

TITAN R14

Adjustable 12mm polyamide rope restraint lanyard, no connector.

Ref.:	Length:
10 082 73	1.8m

TITAN F Restraint Lanyard

12mm polyamide rope, no connector.

Ref.:	Length:
10 082 70	1m
10 082 71	1.5m
10 082 72	2m

All TITAN restraint lanyards are CE Certified and conform to EN354

TITAN CMS Personal Fall Arrester

Ideal for low level work.

- **Reduced fall clearance requirements thanks to a quick-activating braking mechanism**
- **Integral shock-absorbing pack reduces fall impact forces**
- **Supplied with or without screwgate karabiners**
- **Supplied with or without protective housing**
- **50mm wide webbing lifeline**
- **2.5m working capacity**

Ref.:	
10 083 29	no housing, no connector
10 083 32	with housing, no connector
10 083 34	with housing, 2 karabiners

The TITAN CMS Personal Fall Arrester is CE Certified and conforms to EN360

TITAN Anchorage Sling

- **20mm polyamide webbing**

Ref.:	Length:
10 083 60	0.6m
10 083 61	0.8m
10 083 62	1m
10 083 63	1.2m
10 083 64	1.5m

The TITAN Anchorage Sling is CE Certified and conforms to EN795

TITAN Fall Protection Kits

Fall Protection made easy with these user-friendly kits designed for specific applications:

TITAN Roofers Kit

- TITAN 2-point harness with rear and front anchorage (front webbing loops)
- TITAN automatic rope grab with 10m-anchorage line and 30cm attachment lanyard

Ref.: 10 118 95

TITAN Fall Arrest Kit

- TITAN 1-point harness with rear anchorage
- TITAN B1 2m shock-absorbing lanyard with 2 screwgate karabiners

Ref.: 10 118 96

TITAN Restraint Kit

Not suitable for Fall Arrest! The ideal solution for flat roof maintenance, MEWPS...

- TITAN 1-point harness with rear anchorage
- TITAN F 2m restraint lanyard with 2 screwgate karabiners

Ref.: 10 118 97

TITAN Construction Kit

- TITAN 1-point harness with rear anchorage
- TITAN CMS personal fall arrester with 2.5m webbing lifeline and 2 screwgate karabiners

Ref.: 10 118 98

TITAN Work Positioning Kit

- TITAN 2-point harness with work positioning belt, front and rear anchorage (front webbing loops)
- TITAN CMS personal fall arrester with 2.5m webbing lifeline
- TITAN FPL adjustable work positioning lanyard with 2 screwgate karabiners

Ref.: 10 118 99

TITAN Packaging

New

The TITAN kits are supplied in a highly practical case for storing and protecting your fall protection equipment after each use.

- **Lightweight, resistant, waterproof soft plastic casing**
- Quick-opening zip
- Comfortable cloth handle for a better grip and easy in-store display.
- Convenient side pocket for storing instructions and other documents.

Telecoms and

by SPERIAN

Miller Komet* offers a full range of Fall Protection and Work Positioning Equipment adapted for use on masts and pylons where the operator is required to temporarily access the structure for construction or maintenance purposes. Access may be made feasible by means of a permanent fall protection system such as the Söll GlideLoc® rigid rail systems, or by a temporary rope anchorage line. The choice of anchor points and the setting up of the rope are important stages. When a lead climber, moves up a structure, the risk of a fall is present. Once the rope is set by the lead climber the other climbers can ascend the structure protected by this anchorage line.

Responsiveness !

"This is what marks our relationship with the Bacou-Dalloz Fall Protection Division. Their interest and experience in our field of business, as well as their presence in the field, have enabled us, as a result of a number of specific projects, to develop innovative, lightweight and practical technical products.
This equipment meets all the requirements for working safely at height on overhead cables."

Luc Malvé - SNCF Overhead Cables Equipment Expert

Telecom and Utilities

GSM Telephony	**42**
Maintenance Work on hi-tension cable pylons	**43**
Maintenance Work on electricity and telephone pylons or overhead cables	**44**
Installation and Work on electricity pylons and telecom masts	**46**
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KOMET MILLER® becomes MILLER® by SPERIAN

Revolution Harness for Telecoms and Utilities

Designed for maintenance work on electricity and telephone pylons or overhead cables. The Revolution harness boasts 8 product innovations to meet and / or exceed user expectations.
The optional patented elasticated DuraFlex® webbing on the shoulder straps conforms to the shape of the user whilst the rotating PivotLink connections at hip level follows the user's movements during ascent and descent to enhance productivity and reduce fatigue.
The 2 point harness incorporates a rotating belt which, when used in conjunction with a positioning lanyard , allows the user full freedom of movement and reach.

*Miller-Komet becomes Miller® by Sperian

Utilities

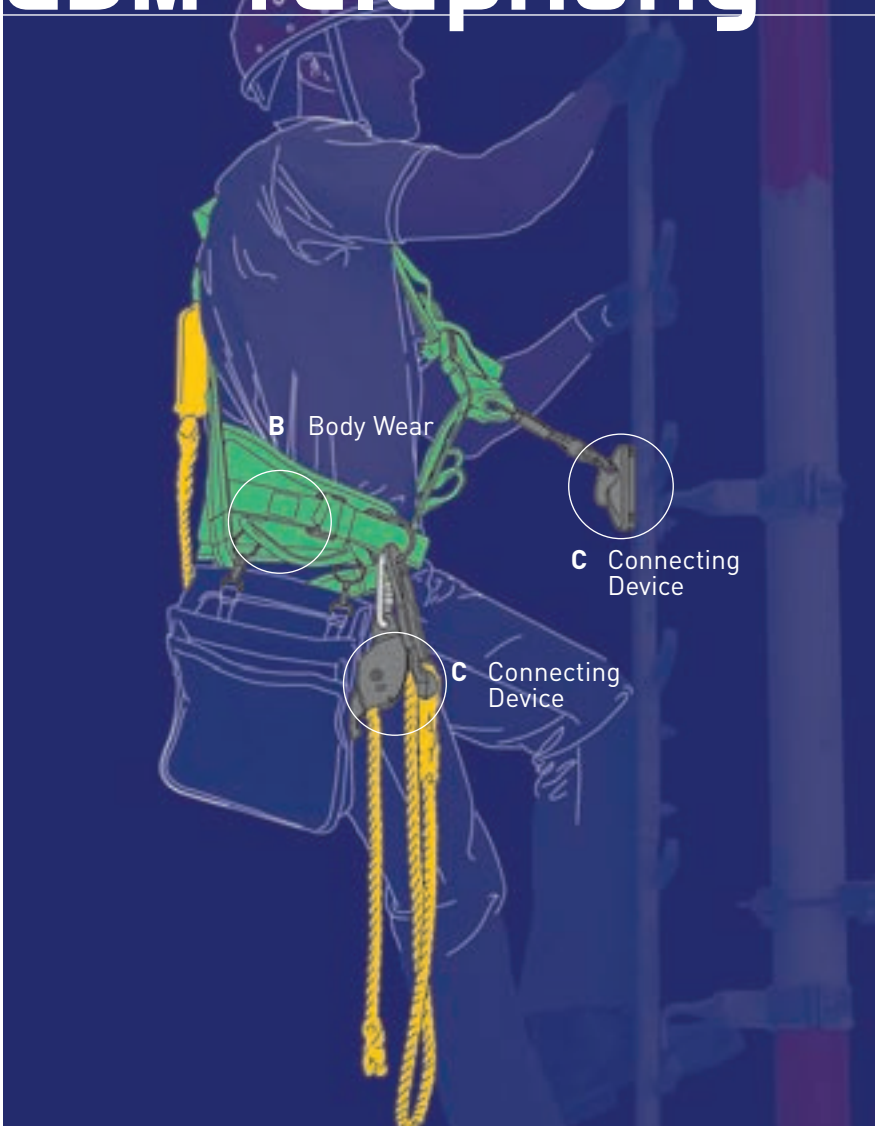
The Fundamentals
GSM Telephony

GSM Telephony

The following equipment is recommended for situations where a rigid rail access system is already installed on a mast or pylon. Once in place at the work site, the operator can adopt a comfortable hands-free position by means of a work-positioning lanyard.

Söll GlideLoc® Rigid Rail System

For safe and easy access to a tower, Söll GlideLoc® rigid rail is a permanently installed fall protection system. Comprising a ladder with central safety rail or a guide rail for retrofitting onto existing ladders, the Söll systems can be adapted to all structures and can also incorporate horizontal safe access systems.

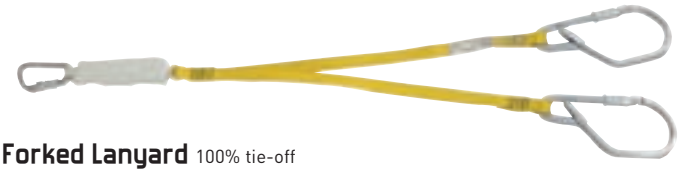


Söll COMFORT fall arrester

The guided type fall arrester is attached to the front anchorage point on a harness and inserted into the rail. In the event of a fall, the shuttle locks automatically onto the rail, arresting a fall within centimetres. The greater rail contact of the COMFORT fall arrester offers a smoother operation and reduces worker fatigue.

Ref.: 10 070 95

☐ ☐ C



Forked Lanyard 100% tie-off

Once in place on the tower, the operator disconnects from the rail system and uses the double-legged lanyard to move around the tower whilst being connected at all times. This robust webbing lanyard with integrated shock-absorber comes complete with two scaffold hooks (60mm opening) that can be easily connected and removed.

Ref.:	Length:
10 032 32	1m

☐ ☐ C

Miller-Komet Elastotrans Harness

Ideal for work on pylons, the 3-point Elastotrans harness has a front anchorage point for use with a forked lanyard or fall arrester for a smoother ascent and descent. The 2 side D-rings are used with a positioning lanyard. The wide ergonomically designed back-pad and leg padding reduce the stresses on the legs and back, enhancing user comfort during long working periods in a supported hands-free position.

Ref.: 10 030 28

☐ B ☐

Reglex 3000

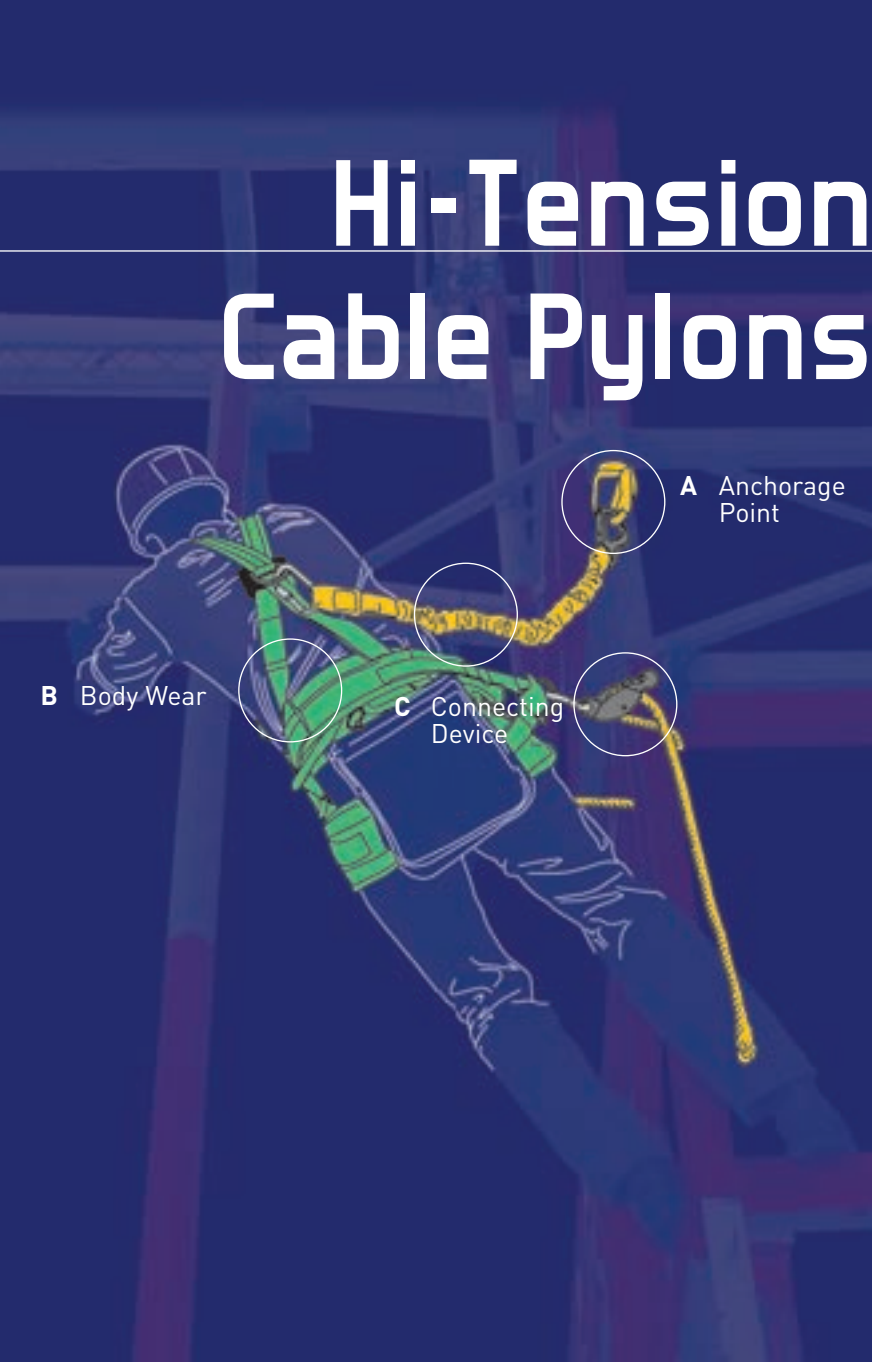
Offering progressive adjustment without any jolts, this work-positioning lanyard can be easily operated with one-hand. Designed to fit around a structure such as a pylon and then onto the side D-rings of the harness' belt, the Reglex 3000 allows the operator a comfortable hands-free work position.

Ref.:	Length:
10 031 10	2m

☐ ☐ C

MILLER by SPERIAN

Hi-Tension Cable Pylons



Maintenance Work on Hi-Tension Cable Pylons

The operator is required to work in extended reach and requires full freedom of movement to twist and reach the work sites, as well as maximum support when reaching out and using tools with an extended pole.

Theoretical and practical training are absolutely essential before using this equipment. When this type of system is used by workers who are well trained and aware of the potential risks, their safety, and consequently their productivity, are considerably improved. Please contact Bacou-Dalloz for further information on their training courses for these applications

Miller-Komet KUIK TST Harness

The Kuik TST harness has been developed in conjunction with the French electricity board specifically for applications that require extended reach. The work positioning belt allows 180° rotation for optimum freedom of movement, whilst the elasticated shoulder straps stretch with the user for enhanced productivity. The rigid seat strap ensures optimum comfort during work in suspension.

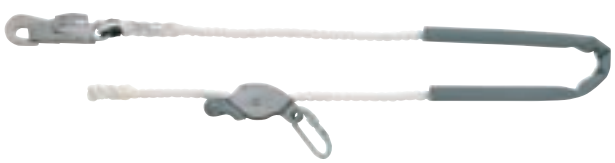
Ref.: 10 030 17

☐ **B** ☐

Manyard® Elasticated Lanyard

Designed for fall arrest protection during work at height, the innovative stretchable design and increased energy absorption characteristics of the Manyard® offer greater manoeuvrability and safety.
Complete with 63mm scaffold hook and screwgate karabiner.
The special woven shock-absorbing core reduces fall arrest forces. TEFLON® hi-tech protective finish on the outer jacket repels water, oil and dirt that could erode the webbing.

Ref.: 10 053 25 Length: 2m ☐ ☐ **C**



Webbing Anchorage Sling

The anchorage sling provides a secure anchorage point for the fall arrest device around a pylon or mast pole

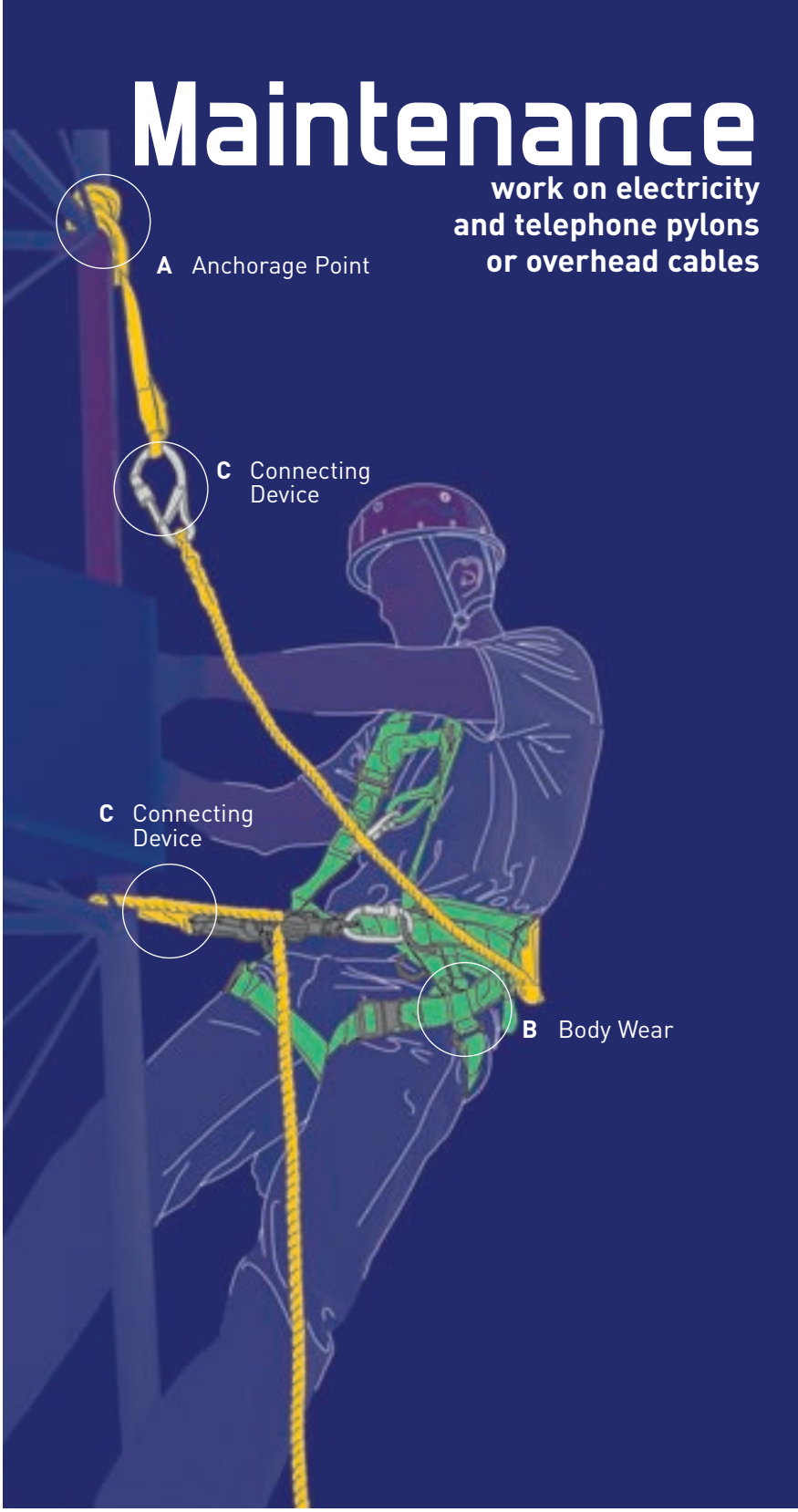
Ref.: 10 029 18 Length: 1.2m

A ☐ ☐

Maintenance

work on electricity and telephone pylons or overhead cables

The operator ascends a pylon or mast connected to a rope grab and anchorage line. Once in position on the pylon, he requires a reliable hands-free fall protection system that allows him a wide range of movement.



Revolution R5 for Telecoms & Utilities

The patented elasticated webbing on the shoulder straps stretches with the user's movements to enhance productivity and reduce fatigue.

The 2-point harness incorporates 3 quick buckles, a rotating belt which, when used in conjunction with a positioning lanyard, allows the user full freedom of movement and reach.
Also available with DuraFlex stretch webbing.

Ref.: 10 142 54

□ B □

New

DuraFlex® webbing is designed to stretch and conform to the worker's body

PATENTED

Elasticated webbing has been patented in Europe. Patent no: EP-B-0902710 in US : Patent no: 6.006.200

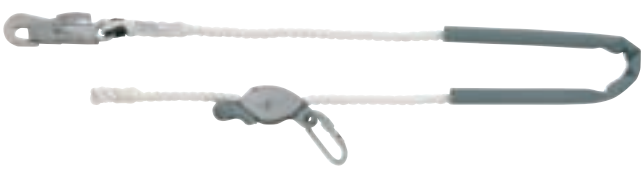
ME53 Shock-Absorbing Lanyard

Once in place at the work site, the operator connects to the anchorage point with this shock-absorbing lanyard for fall arrest protection.

Ref.: 10 052 90

Length: 1.5m

□ □ C



Reglex 3000

The Reglex 3000 work positioning lanyard allows the operator a comfortable hands-free work position.

Ref.: 10 031 10

Length: 2m

□ □ C

The Fundamentals

MK01 Connector

This wide opening aluminium connector is used in conjunction with a telescopic pole to install at a distance an anchorage point for the anchorage line.

Easy to install, this connector suits most structures.

Ref	Opening
10 028 99	150mm

JIRAF Telescopic Pole

This light-weight fibreglass telescopic pole is used to install an anchorage point from a distance

Ref.:	Extended Length:
10 029 79	9.4m

MF52 Rope Grab

This automatic and manual rope grab glides freely along the anchorage line without the need for manual intervention. In the event of a fall the grab blocks onto the rope, thus arresting a fall in centimetres.
The 30cm lanyard offers a more comfortable attachment to the front anchorage point on the harness.

Ref.:	10 028 76	14mm/16mm
	10 076 18	10mm/12mm

A wide range of rope grabs is available. Refer to page 30 for additional information.

Anchorage device

Stainless steel
Fixation point diameter: Ø 13mm
Weight: 0.062 kg
Maximum load before deformation: 300daN
Breaking strength: >20kN
Conforms to EN 795 Classe A1

Ref.: 10 029 96

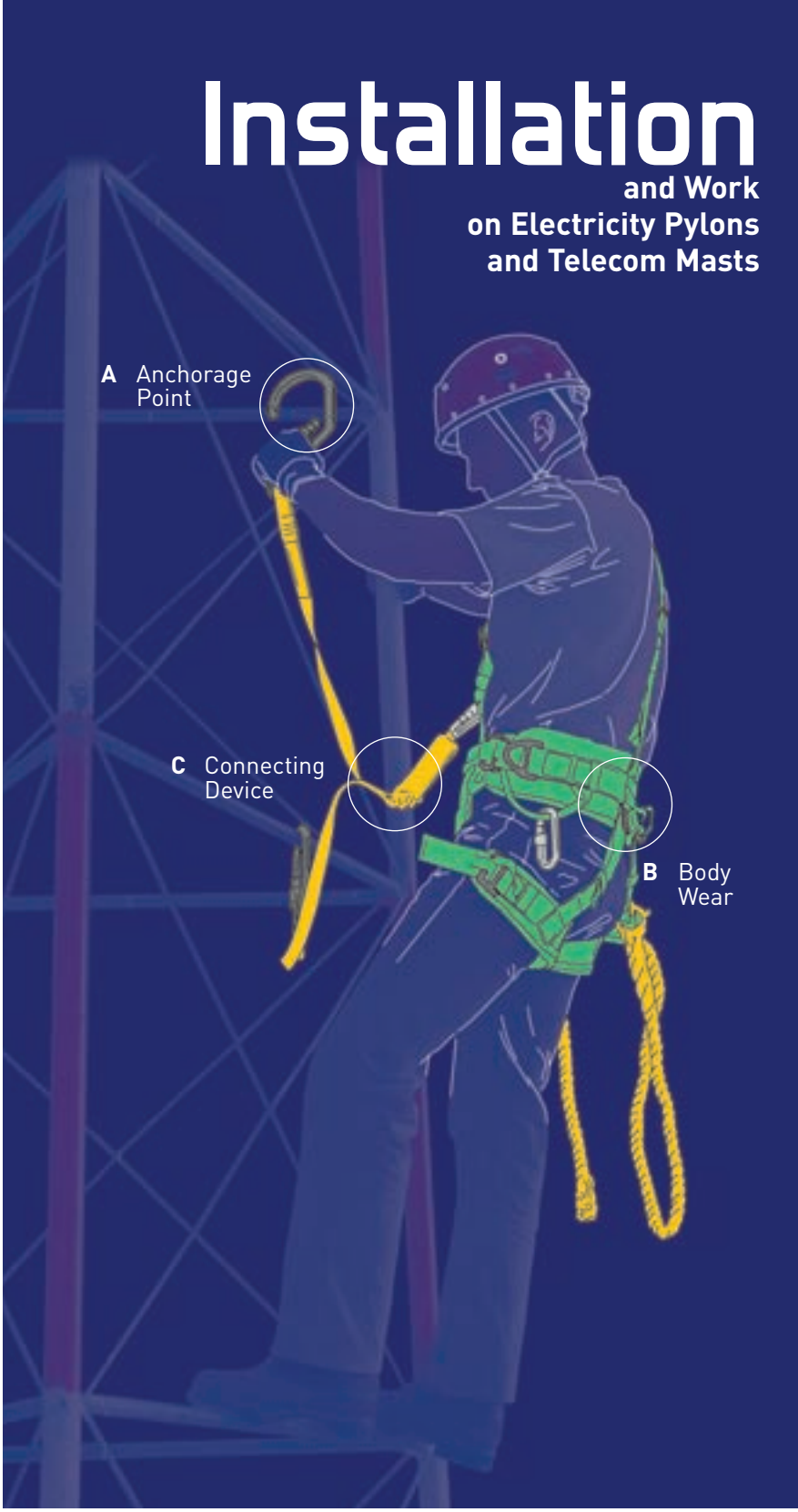
Anchorage Line

Installed by means of the telescopic pole and anchorage connector. Supplied with connector and counterweight, this anchorage line is suitable for use with a 10/12mm rope grab.

Available in various lengths

Ref.: 10 076 13

Installation
and Work on Electricity Pylons and Telecom Masts



In order to install the anchorage line, the operator uses a double-legged lanyard so that he fix spacing between lines with two scaffold hooks (60mm opening).

RM Harness

Made from a specially formulated elasticated webbing, this 2-point stretch harness conforms to the shape of the operator for improved comfort and manoeuvrability.

The padded leg straps and belt provide excellent support for the operator, allowing him to work in a comfortable supported or semi-suspended hands-free position. The front anchorage loops provide an ergonomic anchorage point for use with a rope grab or shuttle.

Ref.: 10 034 38

☐ **B** ☐

Forked Lanyard

100% tie-off

In order to install the anchorage line, the operator uses a double-legged lanyard so that he fix spacing between lines with two scaffold hooks (60mm opening)

Ref.: 10 032 32

Length: 1m

☐ ☐ **C**

Reglex 3000

The Reglex 3000 work positioning lanyard allows the operator a comfortable hands-free work position that can be easily adjusted with one hand.

Ref.: 10 031 10

Length: 2m

☐ ☐ **C**

The Fundamentals

Tower Harness

Heavy-duty harness, designed for excellent comfort and support.
Particularly suitable for harsh-environments.

- 4-point harness with belt and sit harness function
- High-quality, resistant webbing for increased durability
- Wide, comfortable work-positioning belt prevents back injuries and promotes productivity
- Padded leg straps for enhanced comfort during suspension work
- Back and shoulder pads
- Conforms to EN361, EN358 and EN813.

Ref.:	Size:
10 062 55	M/L
10 117 70	S

☐ B ☐

MF52 Rope Grab

Once the anchorage line is installed, this automatic and manual rope grab glides freely along the rope without any manual intervention. In the event of a fall the grab blocks onto the rope, thus arresting a fall in centimetres. The 30cm lanyard offers a more comfortable attachment to the front anchorage point on the harness.

Suitable for use on a 10/12mm rope.

Ref.:		
	1007618	10mm/12mm
	1002876	14mm/16mm

☐ ☐ C

Anchorage Line

Installed by means of the telescopic pole and anchorage connector. Supplied with connector and counterweight, this anchorage line is suitable for use with a 10/12mm rope grab.

Available in various lengths.

Ref.: 10 076 13

☐ ☐ C

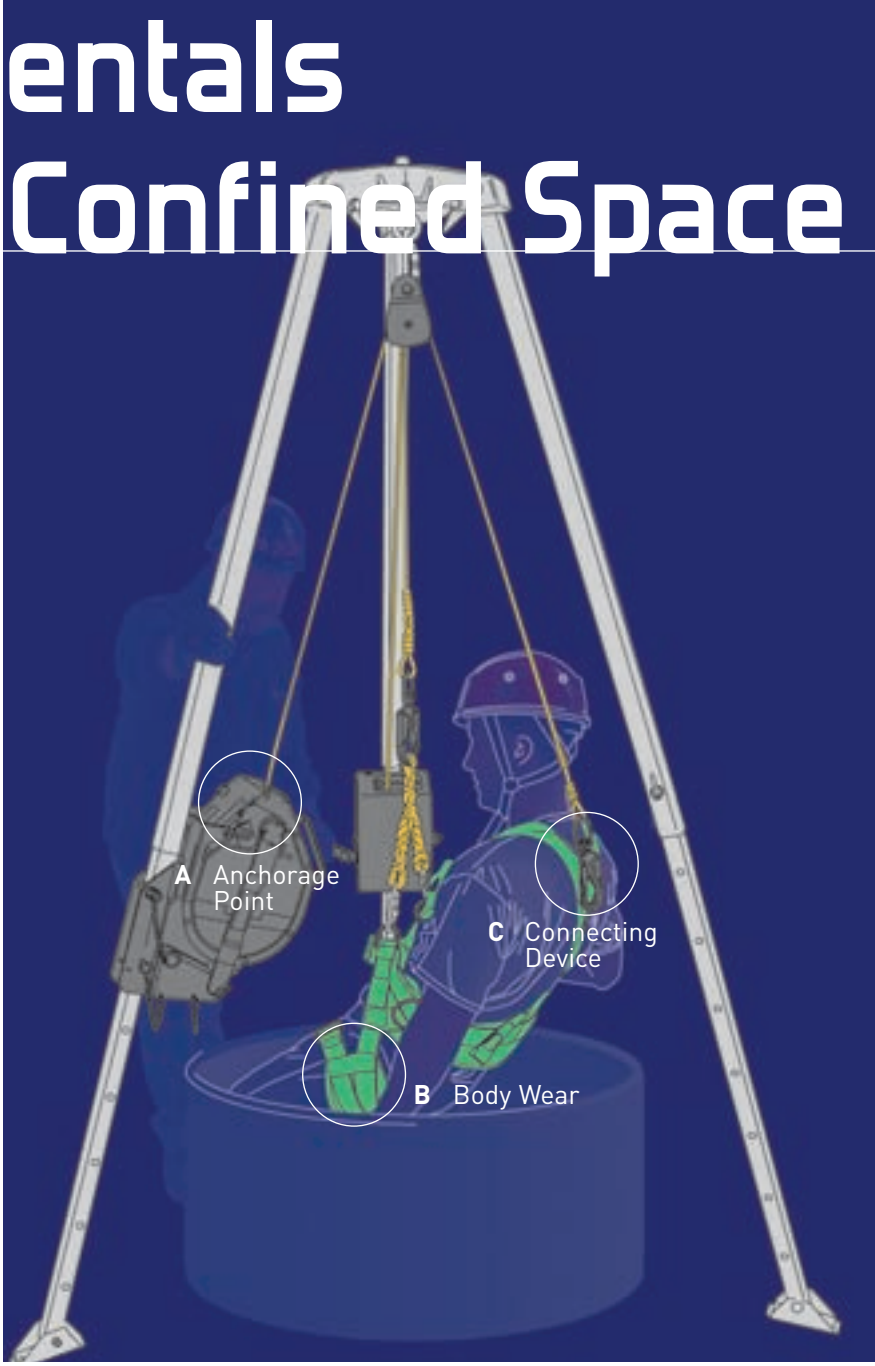
Webbing Anchorage Sling

For a secure anchorage point for the lifeline.
Available in different sizes.
Please refer to page 32.

A ☐ ☐

The Fundamentals Confined Space

Both the Miller tripod and portable davit column, used in conjunction with the Miller fall arrest blocks and winches, form the core of a stable and secure confined entry / rescue system. Suitable for use on manholes, tanks, hatches and other below-ground work and confined spaces.



MN10 Miller Aluminium Tripod

Easily installed by one person, the self-locking, fully adjustable legs lock securely in place thanks to the automatic pins. No chains are needed to secure the feet, which greatly reduces the risk of tripping.

Two anchorage points. Supplied with one pulley.

Weight: 15kg
Complies with EN795(b)
Dimensions :
Fully extended:
Height: 2.1 m
Leg span: 1.5 m
Fully retracted:
Height: 1.4 m
Width: 0.4 m
Breaking strength: > 10 KN
Maximum safe working load: 136 kg

Ref.:	Height:
10 050 41	2.1m

A

MI65 MightEvac Fall Arrest Block

With retrieval winch. Pressed steel housing and a compact design for heavy duty performance. Easy-to-use with rescue winch (up/down), gear ratio 5:1, fall indicator. Complete with screwgate karabiner. Supplied without brackets.

Complies with EN360

C

Lifeline material:
4.8mm galvanised wire cable

Ref.:	Length:
10 051 49	15m
10 051 60	30m
10 051 61	40m

Brackets for MightEvac

Ref.:	MightEvac block:
10 053 30	15m
10 053 31	30 & 40m

MILLER by SPERIAN

Tower Harness

Heavy-duty harness, designed for excellent comfort and support.
Particularly suitable for harsh-environments.

- 4-point harness with belt and sit harness function
- High-quality, resistant webbing for increased durability
- Wide, comfortable work-positioning belt prevents back injuries and promotes productivity
- Padded leg straps for enhanced comfort during suspension work
- Back and shoulder pads
- Conforms to EN361, EN358 and EN813.

Ref.: 10 062 55

Size: M/L

☐ B ☐

Miller Pulley*

Flat and swing sided with large diameter sheaves that promote excellent efficiency. Includes screwgate karabiner.

*included with MN10 Tripod and Manhandler.

Ref.: 10 114 71

☐ ☐ C

MN20 Manhandler Work Winch

Compact and robust, the Manhandler is both a rescue and material winch. Easy operation, mechanical efficiency 5:1, with overspeed braking system and load indicator. Integrated bracket for MN10 tripod. Complete with one pulley.

Maximum charge: 159kg

☐ ☐ C

Lifeline material:
galvanised steel cable

Ref.: 10 050 42

Length: 20m

Lifeline material:
stainless steel cable

Ref.: 10 050 44

Length: 20m

MN50 - POTEX Portable pivoting davit column

Pivoting uni-hoist system. Easy access to confined spaces, integrated rescue winch 30m, adjustable legs to fit most confined space entry

Complies with EN 795(b)

Ref.: 10 029 20

A ☐ ☐

Mounting plates:
Portable davit arm is available with a selection of base mountings -attachments to suit temporary/semi-permanent mobile working environments. Please refer to the price list for further information.

Miller-Komet* Technical Harnesses

Technical Harnesses for the Telecoms and Utilities market are vital tools for work at height. Specific features such as rotating belts, padded leg straps and work-positioning belts have been designed to promote peak performance by enhancing the operator's comfort and freedom of movement at the work site, and so increasing user confidence and productivity.

Elastokuik Comfort Harness

Ideal for work on telecom poles and pylons, this harness offers full freedom of movement for access and excellent support for work positioning and extended reach.

- Heavy-duty 3-point harness with work positioning belt.
- Rear, front and side anchorage (front anchorage loops)
- Rotating work-positioning belt offers excellent freedom of movement and extended reach.
- Stretchable shoulder straps move with the worker to enhance productivity through increased comfort and greater flexibility
- Comfortable back-padding for supported hands-free work-positioning
- Back pad in cordura
- Easy to fit with automatic buckles
- Conforms to EN361 and EN358

Ref.:	Size:
10 030 22	M/L
10 030 23	S

Elastolight Harness

Developed for work on electricity poles, this harness is the perfect solution for work positioning and access.

3-point harness with belt

- Rear, front and side anchorage (front anchorage loops)
- Stretchable shoulder straps provide greater freedom of movement and comfort for enhanced productivity.
- Comfortable back-padding for work-positioning
- Easy shoulder adjustments
- Conforms to EN361, EN358

Ref.:	Size:
10 060 76	M/L
10 060 77	S

Elastotrans Harness

Suitable for work on pylons, this harness offers full freedom of movement for access and excellent support for suspension.

4-point harness with work positioning belt and leg straps

- Rear and sternal anchorage for fall arrest, ventral anchorage loops (access and rescue) and side anchorage D-rings (work-positioning):
- Stretchable shoulder straps move with the worker for reduced fatigue and increased productivity, particularly in extended reach positions.
- Wide ergonomically designed back-padding and padded leg straps for increased comfort during long working periods in a semi-suspended hands-free position.
- Rear anchorage extension webbing so that operator can easily fit fall arrest device without help.
- Automatic buckles for easy fit.
- Conforms to EN361 and EN358

Ref.:	Size:
10 030 28	M/L
10 030 29	S

Kuik TST Harness

Developed for extended reach work where excellent work positioning comfort is required, with long periods of work in suspension.

3-point harness with belt and semi-rigid seat strap

- Rear and front anchorage (front anchorage loops) and side D-rings
- 180° rotating work-positioning belt offers full freedom of movement with maximum reach: the belt and seat webbing straps move simultaneously for a smoother performance.
- Rigid seat strap ensures optimum comfort during work in suspension.
- Stretchable shoulder straps reduce fatigue and increase productivity in extended reach positions.
- Automatic buckles for easy fit
- Conforms to EN361 and EN 358

Ref.:	Size:
10 030 17	M/L
10 030 18	S

*Miller-Komet becomes Miller® by Sperian

Miller Revolution Telecom & Utilities Harnesses

The turning point in harness design

R4 Miller® Revolution Telecom & Utilities Harness

• with standard mating buckles

Ref.:	Description	Size:
1014245	Duraflex stretch webbing	S/M
1014246	Duraflex stretch webbing	L/XL
1014247	Duraflex stretch webbing	XXL*
1014248	DualTech webbing	S/M
1014249	DualTech webbing	L/XL
1014250	DualTech webbing	XXL*

*made to order

R5 Miller® Revolution Premium Telecom & Utilities Harness

• With quick-connect buckles

Ref.:	Description	Size:
1014251	Duraflex stretch webbing	S/M
1014252	Duraflex stretch webbing	L/XL
1014253	Duraflex stretch webbing	XXL*
1014254	DualTech webbing	S/M
1014255	DualTech webbing	L/XL
1014256	DualTech webbing	XXL*

*made to order

The 2-pt Revolution harness exceeds user expectations for maintenance work on electricity and telephone pylons or overhead cables.

- Two webbing options: 2-sided resistant DualTech webbing with shape retention memory or patented elasticated DuraFlex webbing on the shoulder straps which conforms to the shape of the user.
- Rotating PivotLink connections at hip level follows the user's movements during ascent and descent to enhance productivity and reduce fatigue.
- ErgoArmor back pad protects against impacts from snaps hooks and self-retracting lifelines
- Rotating belt which, when used in conjunction with a positioning lanyard, allows the user full freedom of movement and reach.
- Integrated accessory system provides connection point for tools and accessories
- Easy shoulder strap adjustment thanks to cam buckles
- Standard mating buckles or quick-connect buckles
- Conforms to EN361 and EN358

Tower Harness

Heavy-duty harness, designed for excellent comfort and support. Particularly suitable for harsh-environments.

- 4-point harness with belt and sit harness function
- Rear and front anchorage (karabiner for fall arrest and ventral D-ring for access work) and side D-rings
- Ventral anchorage point for use with shuttle or rope grab provides a comfortable and stable climbing position.
- High-quality, resistant webbing for increased durability
- Wide, comfortable work-positioning belt prevents back injuries and promotes productivity
- Padded leg straps for enhanced comfort during suspension work
- Back and shoulder pads
- Conforms to EN361, EN358 and EN813

Ref.:	Size:
10 062 55	M/L
10 117 70	S

RM Harness

The perfect compromise between freedom of movement for access and excellent support for suspension.

4-point full body harness with work positioning belt and sit harness function.

- Rear and sternal anchorage for fall arrest, ventral anchorage loops (access and suspension) and side anchorage (work-positioning).
- Patented elasticated webbing on the shoulder straps stretches with the user for greater freedom of movement and comfort with reduced fatigue.
- Lightweight and easy-to-fit with quick-fixing automatic buckles
- Greater productivity thanks to the padded belt and leg straps that provide excellent support for work in suspension.
- Conforms to EN361 and EN358

Ref.:	Size:
10 034 39	M/L
10 034 38	S

Work Positioning Belts

Miller-Komet* offers a range of heavy-duty work-positioning belts designed to support the user in a hands-free work position at height. These belts can be used on their own when there is no risk of a fall, or alternatively in conjunction with a harness for fall arrest protection.

Harness or Belt?

A work-positioning belt is considered as restraint equipment and should only be used without a harness when there is no risk of a fall! If a fall hazard exists the belt should either be fitted to a harness, or a harness incorporating a belt should be used.

585 Fireman's Belt

- Lightweight, easy-to-use work positioning belt particularly adapted to the needs of firemen.
- Integrated webbing work-positioning lanyard (670mm) with aluminium snap hook for quick connection around a structure e.g. ladder.
- 100mm wide back pad with quick-adjustment buckle

Ref.:	Size:
10 063 17	Fireman's belt 2 D-ring Medium
10 063 18	Fireman's belt 2 D-ring Large

520 Work Positioning Belt

- Ideal for comfortable hands-free work positioning at height
- 100mm wide padded belt with quick-adjustment buckle
- 2 large side D-rings for use with positioning lanyard
- Allows good freedom of movement

Ref.:	Size:
10 063 19	M
10 063 20	L

522 Work Positioning Belt

- Heavy-duty synthetic back-support for increased comfort and reduced fatigue when working for long hours
- The belt can be fitted with shoulder straps to relieve the load on the user's hips when heavy tools are hanging from the belt
- 100mm wide comfort back pad with quick adjustment buckle
- 2 side D-rings for use with positioning lanyard
- Fitted with loops for tool bags and accessories

Ref.:	Size:
10 063 21	M
10 063 22	L

525 Leather Work Positioning Belt

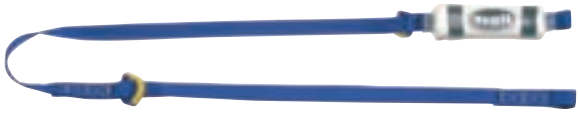
- Heavy-duty leather belt for intensive use in harsh environments
- 180mm leather back pad for increased comfort and durability during work-positioning
- The belt can be fitted with shoulder straps to relieve the load on the user's hips when heavy tools are hanging from the belt
- Quick-adjustment buckle
- Loops for tools and accessories

Ref.:	Size:
10 063 23	M
10 063 24	L

*Miller-Komet becomes Miller® by Sperian

Technical Fall Arrest Lanyards

Tie-Back Shock-Absorbing Lanyard

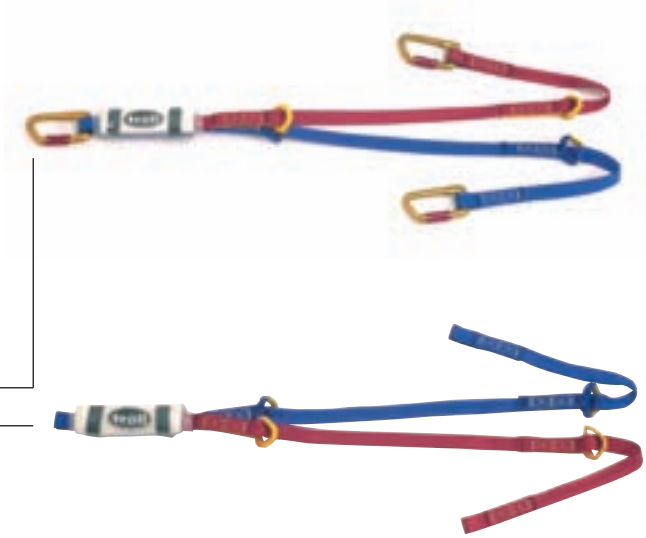


1.2m webbing lanyard with shock absorber and loop.

- Multi-point attachment system so that the lanyard can be used in a tie-back. No need for additional anchorage connector.
- Compact, lightweight shock-absorber increases ease and comfort of use.

Ref.:	
10 070 14	No connector

Tie-Back Forked Shock-Absorbing Lanyard



1.5m webbing lanyard with shock-absorber, and 4 loops.

- Forked lanyard for 100% tie-off: Ideal for ascension of a tower or ladder.
- Multi-point attachment system so that the lanyard can be used in a tie-back. No need for additional anchorage connector.
- Compact, lightweight shock-absorber increases ease and comfort of use.

Ref.:	Connectors
10 070 13	3 captive eye karabiners (18mm opening)
10 070 15	No connector

To tie-back or not to tie-back?

You should never tie back an ordinary lanyard on its connector. The connector or the lanyard are not designed to withstand the loads that can occur in the event of a fall, and as a result it will shatter.

The specifically engineered Miller-Troll tie-back lanyard offers the advantages of a shock-absorbing lanyard with an anchorage connector in one product.

Forked Shock-Absorbing Lanyard

2m webbing lanyard with shock-absorber.

- Forked lanyard for 100% tie-off: ideal for ascension of a tower or ladder.
- Compact, light-weight shock-absorber increases ease and comfort of use.

Ref.:	Connectors
10 029 02	3 Screwgate karabiners (18mm opening)

10 045 90	Screwgate karabiner and 2 scaff hooks (63mm opening)

Arboriculture

by SPERIAN

With over two decades of close collaboration with the arboricultural industry experts, Miller-Komet* prides itself on being world-leader in this field with reliable, user-friendly equipment that has become synonymous with the occupation itself.

• TRADITIONAL TREE-PRUNING

Tree-felling and heavy pruning require a secure access and position at height. The equipment is designed to hold the worker in place whilst he handles the necessary tools, such as a chainsaw, which can often be very heavy and cumbersome.

• ORNEMENTAL TREE-PRUNING

Miller-Komet equipment offers the climber a safe and convenient means of gaining access to a tree. Specific climbing techniques have been developed to promote full freedom of movement whilst protecting the tree from any unnecessary damage.

*Miller-Komet becomes Miller® by Sperian

Arboriculture

Tree-Pruning Belts 55

Tree-pruning
Full-body harnesses 57

Systems
for Ascent & Descent 58

Positioning Lanyards 61

KOMET MILLER® becomes MILLER® by SPERIAN

Tree-pruning World Champion

"The "Butterfly" has been my harness of choice since the day it was created. Its light-weight yet durable design makes it a great choice for both field work and competition climbing."

Mark Chisholm
World Champion U.S.A.

The tree-pruning belt of champions

The Miller-Komet* Butterfly belt has been developed in conjunction with tree pruning experts to provide an essential tool perfectly adapted to the requirements of the tree-pruning industry.
Renowned for its ergonomic design, unparalleled comfort and extreme freedom of movement, the Butterfly belt is recognised as the leading belt in this industry.

Miller-Komet* Tree-Pruning Belts

Butterfly! The Champions' belt!

Excellent Freedom of Movement

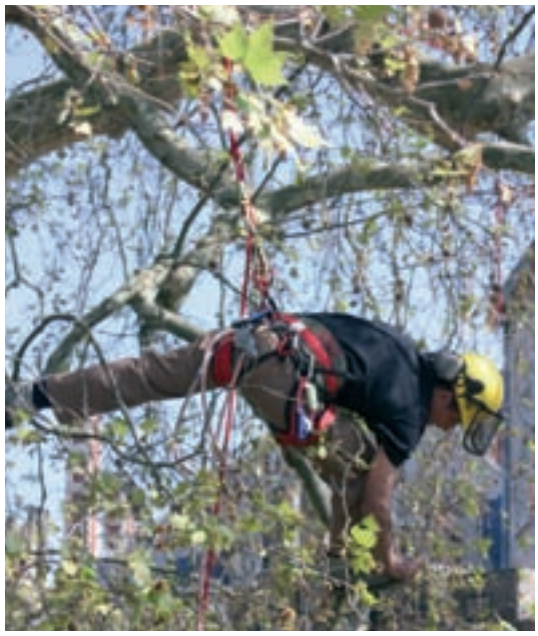
The lightweight materials and ergonomic design enhance manoeuvrability and are particularly adapted to operations where the tree-pruner is continually moving around the tree.

Greater Comfort

A wider, more robust padded belt and padded leg straps ensure good support and a more comfortable fit. The rigid seat strap option increases comfort during prolonged work in suspension.

Greater Versatility

The leg straps, seat strap and front anchorage parts are all interchangeable on the Butterfly II and Dragonfly tree-pruning belts, enabling the climber to easily adapt the belt to a particular work site.



new

Butterfly II Belt

Tree-pruning belt with padded belt and removable leg straps.
Replaceable front anchorage point for climbing line.
Safe, fold-away side D-rings for positioning lanyard.
Conforms to EN358 and EN813.
Practical rings and loops for accessories.
Net weight: 1.690kg (S), 1.760kg (M/L)

Ref.:	Size:
10 117 01	(S: 76 to 118cm)
10 117 02	(M/L: 86 to 128cm)
10 136 41	(XL: 96 to 138cm)

new

Dragonfly II Belt

Tree-pruning belt with padded belt and removable rigid seat strap.
Replaceable front anchorage point for climbing line.
Safe, fold-away side D-rings for positioning lanyard.
Addition of adjustable buckles on the seat strap to adjust the back tilt.
Conforms to EN358 and EN813. Practical rings and loops for accessories.
Net weight: 2.10 kg (S), 2.260kg (M/L)

Ref.:	Size:
10 166 81	(S: 76 to 118cm)
10 166 82	(M/L: 86 to 128cm)
10 166 83	(XL: 96 to 138cm)

AT LAST A SOLUTION TO EN361

Butterfly II Harness

Offering all the advantages of the Buttefly II belt this harness incorporates shoulder straps and a dorsal anchorage point. The shoulder straps distribute the weight and hold the harness in place when carrying a chainsaw.
Conforms to EN361, EN358 and EN813

Ref.:	Size:
10 137 24	S
10 137 25	M/L
10 137 26	XL

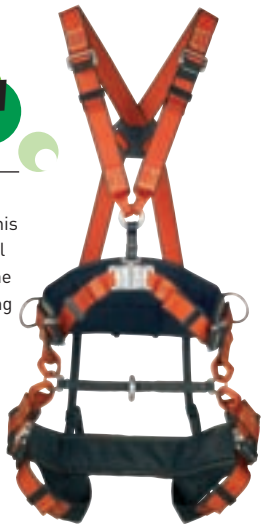
*Miller-Komet becomes Miller® by Sperian

new

Dragonfly Harness

Offering all the advantages of the Dragonfly belt this harness incorporates shoulder straps and a dorsal anchorage point. The shoulder straps distribute the weight and hold the harness in place when carrying a chainsaw.
Conforms to EN361, EN358 and EN813

Ref.:	Size:
10 137 27	S
10 137 28	M/L
10 137 29	XL



Butterfly Seat Strap

Light-weight, rigid seat strap for quick and easy attachment to Butterfly II belt (Interchangeable with leg straps - not to be used at the same time)

Net weight: 1.100 kg (S), 1.200 kg (M/L)

Ref.:	Size:
10 117 08	S
10 117 09	M / L

Butterfly Leg Straps

For quick and easy attachment to Butterfly II belt. Also suitable for the Dragonfly once the seat strap is removed. One size.

Net weight: 0.690 kg

Ref.: 10 117 10

EN 813 Front anchorage strap

With fixed anchorage point.
Conforms to EN813 when fitted to the Butterfly II or Dragonfly

Ref.:	Length:
10 117 07	30cm

Evolution Belt

- Adjustable sternal anchorage D-rings for climbing line
- Side D-rings for positioning lanyard
- Comfortable, rigid seat strap
- Stainless steel and galvanised steel belt buckle
- Practical rings and loops for accessories
- 44mm polyamide webbing
- Conforms to EN 358
- Net weight: 1.94kg

Ref.: 10 029 28

Screw Pin Shackles

to fix front anchorage strap

Ref.: 10 122 31

new

EN 358 Front anchorage strap

With sliding anchorage point*
Conforms to EN358 when fitted to the Butterfly II or Dragonfly.

Ref.:	Length:
10 117 05	25cm
10 117 06	30cm
10 122 32	35cm

***The sliding anchorage system allows a great freedom of movement, prevents the belt from rotating around the waist and eliminates pressure on the hips.**

Aluminium Ring

For sliding anchorage point EN358

Ref.: 10 122 30

Chainsaw Karabiner

Lightweight aluminium karabiner - Opening 60mm

For quick and easy attachment for the chainsaw.

Ref.: 10 117 11

new

Chainsaw lanyard

A chainsaw can be secured to the lanyard, allowing the chainsaw to be attached to the belt more easily.

Breaking strenght : 90 kgs.

Ref.: 10 164 90

Miller-Komet* Full Body Harnesses

Designed for comfort and safety

Commonly used in conjunction with a climbing line, spikes and a work-positioning lanyard, the full body harnesses are suitable for heavier tree-pruning operations, for example when using a chainsaw.
The climber is positioned against the trunk and is not required to move around the tree.

Shoulder straps evenly distribute the weight of the tools (e.g. chainsaw) through the harness.
The rigid seat strap provides a comfortable and safer position during work in suspension from the climbing line.
The wide, padded belt is used in conjunction with the positioning lanyard around the tree-trunk.

Green Belt

2-point positioning belt, with rigid seat strap and removable shoulder straps.

- Adjustable sternal anchorage for climbing line
- Side D-rings for positioning lanyard
- Removable shoulder straps depending on task requirements
- Durable 44mm polyamide webbing
- Practical loops for karabiners
- Conforms to EN 358
- Net weight: 2.57kg

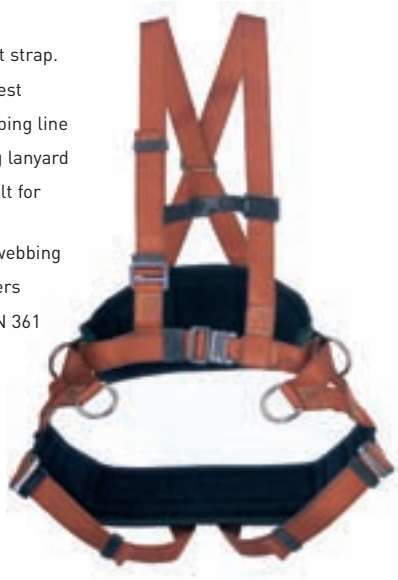
Ref.:	Size:
10 030 16	
10 151 92	XL

Tree-Pruning Harness

3-point full body harness with positioning belt and seat strap.

- Rear anchorage for fall arrest
- Sternal anchorage for climbing line
- Side D-rings for positioning lanyard
- Automatic buckle on the belt for quick and easy adjustment
- Durable 44mm polyamide webbing
- Practical loops for karabiners
- Conforms to EN 358 and EN 361
- Net weight: 1.76kg

Ref.: 10 029 27



Tree-Surgeon Kit

Contains:

- 1 Tree-Pruning Harness
- 1 Chainsaw Karabiner
- 1 work-positioning lanyard
- 1 set of 1-spike gaffs
- 1 complete climbing line with length adjuster

Ref.:	Length:
10 032 79	30m
10 032 78	20m

Climbing spikes (set of two)

Designed for support when climbing up the tree-trunk

- Galvanised steel adjustable gaff equipped with 1 short spike
- Comfortable leather pad with webbing fixing strap (can be replaced)
- Net weight: 2.51 kg

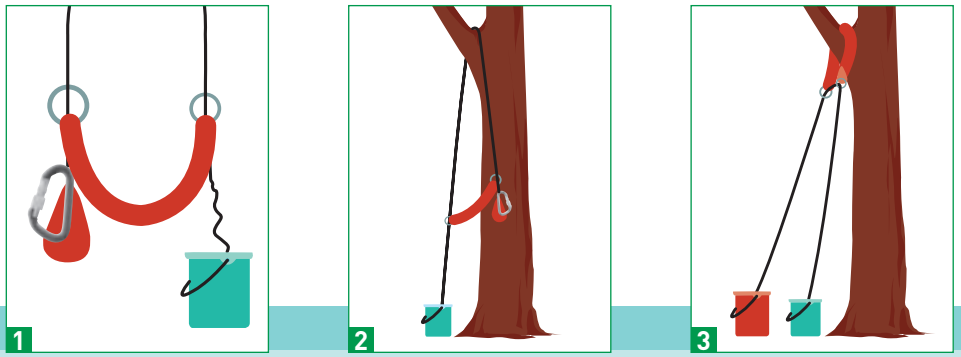
Ref.: 10 029 86

*Miller-Komet becomes Miller® by Sperian

Installing a Cambium Saver (or False Crotch)

The cambium saver is a protective webbing sling, used in conjunction with a climbing line to reduce the friction damage to the tree during climbing.

To install the climbing line, select a branch crotch that is clear and open. Once installed, ensure that both ends of the line are clear from any branches or other obstacles and that they hang freely to the ground.



1. Throw the bag, connected to the throwing line, over the selected branch crotch and bring both ends of the line back down to the ground. Thread the throwing bag through the larger ring on the Cambium Saver. Connect a karabiner into the small ring on the throwing bag to prevent it from feeding back through the Cambium Saver ring. Pass the other end of the throwing line through the smaller ring on the Cambium Saver. By pulling down on the throwing line on the side that runs through the smaller ring, this will move the Cambium Saver up the tree (larger ring leading).
2. As it reaches the branch crotch, pull down gently on the line so that the Cambium Saver straddles the branch. Let the throwing bag drop back down to the ground. Remove the throwing bag and fix the end of the throwing line to the climbing line by means of a series of small knots.
3. Lift the climbing line up gently by pulling on the other end of the throwing line. It should pass first through the large ring of the False Crotch and then through the smaller ring, and then back down to the ground.

Throwing Bag

Lead filled cordura bag with double stitching for maximum resistance.

Ref.:	Weight:
10 117 21	0.25kg
10 117 22	0.35kg

Throwing Line

Used in conjunction with throwing bag to fix a Cambium Saver.
Red, coated-polyester braided rope.
Length: 50m.

Ref.:	
10 031 82	Ø 2mm
10 117 20	Ø 2.2mm

Cambium Saver

new

Used with a climbing line to prevent any friction damage to the tree. Installed using a throwing bag and line. 23mm wide polyester webbing strap with 2 aluminium rings. Well thought out : coloured endings to tell apart different sizes and to locate the small ring. Conforms to EN795.
Weight: 0.28kg.

Ref.:	Length:
10 136 21	0.90m
10 030 46	1.10m
10 136 20	1.30m

Ferlette Ball

The perfect solution for retrieving a Cambium Saver. The ball, attached to the end of the climbing line, will pass through the large ring on the Cambium Saver but block on the smaller ring.
Ref.: 10 140 20

Amazon Climbing Line

12mm nylon rope with 2 stitched splices.
No 'flabbing effect' - the rope is particularly adapted for use with Prussik knot method and Manual Ascenders.
Easily inserted through the Cambium Saver rings.
Conforms to EN 1891

Ref.:	Length:
10 117 23	35m
10 117 24	45m
10 117 25	per metre, Stitched ends
10 117 26	25m
10 129 40	per metre, without stitched ends

Systems for Ascent and Descent

Ascent using the FOOT-LOCK technique

Manual ascenders and specific knots allow the climber to access and position himself in a hands-free position at any point along the climbing line.

The ascender device is fixed to either side of the climbing line and attached to the climber's belt, the climber then uses the Foot-Lock technique to ascend the rope. Standing up in the foot stirrups, the climber pushes the ascending device up along the climbing line. While hanging from the knots or ascender, he then slides up the foot stirrups and then repeats the movement to thus move up the line.

Ascent, Descent and Work Positioning with Auto-blocking knots

The most efficient method for ascent, descent and work positioning in tree-pruning.

These knots run smoothly along the climbing line.

Connected to the climbing belt by means of a karabiner, the climber's bodyweight blocks the knot onto the rope.

Easy to tie and use, these knots can be adapted to all types of climbing lines.

Double Jumar Manual Ascender

These metal handles attach to either side of the climbing line and are used in conjunction with the "Foot-Lock" technique.
Only suitable for ascent; the climber uses an alternative device for the descent.

- Anodised light alloyed aluminium
- Net weight: 0.4kg

Ref.: 10 030 45

Split Tails

Ref.: 10 034 29

- Suitable for the following knots: Prussik, Swabish, and Valdotain
- Ø 10mm polyester rope with two stitched splices.
- Length: 1m
- Weight: 0.115kg
- Conforms to EN1891

Ref.: 10 034 28

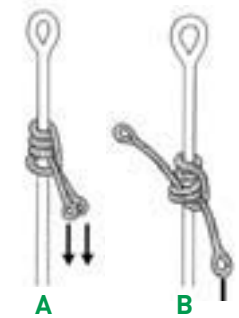
- Suitable for the following knots: Prussik, Swabish and Blake
- Ø 12mm polyester rope with two stitched splices
- Length: 1.1m
- Weight: 0.155kg
- Conforms to EN1891

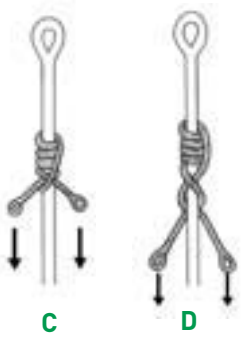
A. The Prussik Knot
The basic tree-climbing knot, the Prussik can be used for both ascent and descent.
In humid conditions or after a prolonged use, this knot may jam on the line and can prove difficult to release. The split tail should have a smaller diameter (10 and 12mm) than the climbing line (13mm or 12mm).

B. The Blake Knot
Slides smoothly along the climbing line and will grip firmly without jamming.
For this knot the Split Tail and Climbing Line should ideally be the same diameter. This knot blocks onto the rope in one direction only.

C. The Prussik Swabish Knot
This progressive friction knot offers a smooth performance along the line without jamming. This knot will block onto the rope in one direction only. The split tail should have a loop or knot on the ends. Depending on the conditions, further turns or braids can be added to this knot.

D. The Valdotain Knot
A complicated knot which offers a very fluid and responsive performance.
Primarily used for descent, when released the knot will block immediately on the rope. Care must be taken as the knot allows a rapid descent with little effort. By adding further braids or turns, the climber can adapt this knot to the type of climbing line used or to a more humid working environment.





Miller-Komet* Positioning Lanyards

new

Reinforced Rocker positioning lanyard

Work positioning lanyard in 'Amazon' nylon rope with a Ø 7 mm steel core.
- Supplied with an aluminium ROCKER rope adjuster with a keylock connector and a snap hook. The length of the lanyard can be easily adjusted without having to manually handle the ROCKER. Simply by pulling upwards on the rope you can release the adjuster and increase the length. To shorten the lanyard, pull the rope through the ROCKER.
- The bright red colour offers better visibility and safety. Conforms to EN358.

A MUST TRY!

Ref.:	Length:
10 140 21	3m
10 140 22	4m
10 140 23	5m

Foresty Helmet

- Supplied with forestry visor and protective Clarity Helmet earmuffs C1H
- Net weight 0,67kg

Ref.: 10 055 00

Reglex 3000 - Reinforced lanyard

Suitable for tree-pruning and ornamental pruning.
- Easy-to-use, reinforced work positioning lanyard
- Ø 12.5mm flexible polyamide rope with steel core provides some protection against chainsaw damage
- Stainless steel cam-type length adjuster for easy, progressive one-handed adjustment
- Supplied with karabiner and alloy snap hook, 22mm opening
- Static strength : >1500 daN
- Conforms to EN358
- Net weight: 1.8kg

Ref.:	Length:
10 031 24	4m

Reglex Standard Work Positioning Lanyard

- Ø 16mm polyamide rope with end-splice
- Easy to use stainless steel, jaw type length adjuster for one-handed adjustment
- Supplied with karabiner and alloy snap hook, 22mm opening
- For use when there is no risk of cutting through the lanyard
- Static strength : >1500daN
- Conforms to EN358
- Net weight: 1.227kg

Ref.:	Length:
10 030 90	2m

Reglex Machoire

Suitable for tree felling. The tree-surgeon uses the lanyard in conjunction with spike gaffs to climb up the tree-trunk.
- Easy-to-use, reinforced work positioning lanyard with stainless steel jaw type length adjuster for progressive one-handed adjustment without jolts
- Ø 14mm semi-rigid polypropylene and steel rope provides some protection against chainsaw damage
- Supplied with karabiner and alloy snap hook, 22mm opening
- Static strength: > 1500 daN
- Conforms to EN358
- Net weight: 1.61kg

Ref.:	Length:
10 030 99	3m
10 031 00	4m
10 031 01	5m

Reglex Tree-Pruner Rope

- Ø 16 mm flexible polyester rope with end splice
- Stainless steel cam-type length adjuster for easy, progressive one-handed adjustment
- Supplied with 2 screwgate karabiners
- For use where there is no risk of cutting through the lanyard
- Static strength : > 1500 daN
- Conforms to EN358

Ref.:	Length:
10 030 80	20m
10 030 81	30m
10 030 82	40m
10 030 83	50m

*Miller-Komet becomes Miller® by Sperian

Miller-Komet* Climbing Spikes®

new

spikes

Designed for support when climbing the trunk of a tree

Climbing Spikes

(1 pair) complete with protective sheaths and Allen key (for length adjustment)

Ref.: 10 144 91

INCREASED COMFORT:
The protective climbing pad with high-density foam lining provides a high level of comfort against the shin

ERGONOMIC DESIGN:
The ergonomic design of the aluminium leg shank is adapted to the shape of the tibia and ankle

A SECURE HOLD:
The specific shape and durability of the stainless steel gaff offer a reliable and secure support

EXCELLENT FREEDOM OF MOVEMENT:
Lightweight materials combined with an ergonomic design facilitate the tree climbing

Protective Padding Kit

Includes:
2 khaki leather pads with foam lining

Ref.: 10 150 08

Fastening Kit

Includes:
4 M6*25 screws
4 M6*12 screws

Ref.: 10 150 06

Replacement Spikes Kit

Includes:
2 stainless steel spikes
4 M6 screws - 2 leather protective sheaths for the spikes with Velcro fastening- 1 Allen key

Ref.: 10 149 94

Calf Straps

Includes:
2 durable, 45mm wide leather straps with fastening buckles

Ref.: 10 149 98

Ankle Straps

Includes:
2 durable, 20mm wide leather straps with fastening buckles

Ref.: 10 150 00

Protective Sheaths

Includes:
2 protective sheaths in khaki leather with velcro fastening

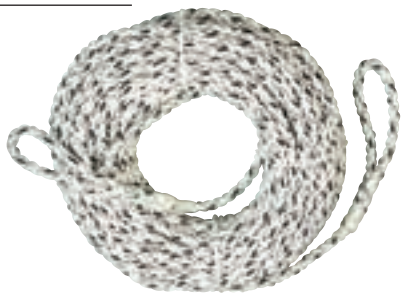
Ref.: 10 149 96

CLIMBING LINES

Climbing Line with 2 spliced loops

- 15mm rope
- Static strength: > 2200 daN

Ref.:	Length:
10 031 95	10m
10 031 96	20m
10 031 97	30m
10 031 98	40m
10 031 99	50m



Climbing Line

- With 1 karabiner and 1 stainless steel plate.
- Static strength: > 2200 daN

Ref.:	Length:
10 033 36	20m
10 033 38	30m
10 033 40	40m
10 033 42	50m

*Miller-Komet becomes Miller® by Sperian

Technical Access

by SPERIAN

Pioneers in the field of Technical Access and Rescue, Miller-Troll* has lead the way in the development of state of the art equipment that combines maximum worker protection with excellent freedom of movement and comfort.

*Miller-Troll becomes Miller® by Sperian

"My role involves life-critical operations on a daily basis. The geography of our area is extremely varied, from dockyards and seacliffs to remote exposed moorland. The Miller Troll rescue products give my team and I the gear and confidence we need to fulfil our commitment..."

Jason Keveren - Leading Firefighter, Rescue Team Leader, Devon Fire and Rescue Service

Technical Access & rescue

becomes

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Emergency Services Rescue	**65**
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Accessories	72

Miller ROPAX harness

Attention to every detail and solid understanding of rope access techniques make the ROPAX the leading choice in technical harnesses. This new full body harness for rope access and rescue combines excellent suspension comfort with freedom of movement and increased productivity. The new triangular suspension position distributes the loads from the attachment points to the larger muscle groups to minimise discomfort and suspension trauma. An additional webbing sling positions the ascender tight against the chest to facilitate ascension.

See page 67

& Rescue

Industrial Rescue

The rescue and evacuation of an injured high access worker is a mandatory consideration for work at height operations. From pre-planned rescue operations, such as those performed by global fire and rescue teams to the on-site un-planned rescue of a fallen telecommunications climber, the Miller-Troll* range of rescue products offer versatile and effective rescue systems.

The systems can be developed to allow the raising or lowering of a casualty, either in their own harness, a temporary rescue sling, an evacuation splint (perfect for confined spaces) or a fully-functioned rigid stretcher.

*Miller-Troll becomes Miller® by Sperian

IBX$_2$R Full Body Harness

This fall arrest and work-positioning harness offers excellent suspension comfort and minimises suspension trauma during rope access work.

The ventral and sternal front anchorage loops provide an anchorage point for a descender and fall arrest device respectively. The belay connection link distributes the loads from the attachment point to the larger muscle groups to minimise discomfort and suspension trauma and maximise productivity.

Ref.: 10 070 22

B

Casualty Pulley System

Lightweight pulley system which enables the rescuer to clip the casualty to his own line and lift them to transfer either onto his system or onto a stretcher.
Maximum length: 2m.
Pulley, ascender and karabiners fit into a strong carrying bag.
Weight: 1.2kg.

Ref.:10 070 42

High Access Rescue Kit

Ready-to-use kit designed for the rescue of a casualty at height by a trained operator.

This kit contains:

- ProALLP Tech descender
- 25m rope with karabiner
- Anchorage sling (1.2m) with protective sheath
- Rope protector
- Cowstail sling
- 3 karabiners
- Knife for cutting free the casualty from anchorage
- Convenient and waterproof red rescue bag.

Ref.: 10 070 50

What's the difference?

Emergency Evacuation - the removal of a person from a hazardous situation to a place of safety. For example, a person stuck on the roof of a burning building, or an operator stuck in the cage of his man-up fork-lift in a warehouse.

High access rescue - the safe recovery of a person who has fallen or is trapped as the result of an accident at height. This person may or may not be injured. For example, a telecommunications worker who is suspended by his fall arrest lanyard as the result of a fall, or a fallen mountaineer on a cliff face.

Emergency Services Rescue

During a rescue operation, safety is of paramount importance, but time and nature are often against you. A well-planned and rehearsed operation will result in a positive result. Miller-Troll* offers a comprehensive range of technical rescue equipment from self-operated evacuation devices, to class-leading stretchers and body splints. The equipment listed below allows users to perform vertical lowers and raises of a stretcher-borne casualty, plus implement a diagonal cableway. It also includes provision for work and rescue in confined spaces.

*Miller-Troll becomes Miller® by Sperian

RAM Sit Harness

The easy to fit lightweight flexible sit harness is suitable for Mountain Rescue technicians where the harness is worn for short durations only.

Can be used in conjunction with the ITC Chest harness for front fall arrest anchorage point.

Ref.: 10 070 25

Miller-Troll Alphin-Lite Stretchers

The Miller-Troll rescue range includes a selection of versatile, top of the range stretchers and splints widely used today by Fire and Rescue services.

Features include straps for air-lifting out a casualty, integral skis for mountain rescue, or foot supports to allow a horizontal lift.

For further information refer to page 70

Ref.: 10 070 45

Miller-Troll Single Aluminium Pulley

This highly efficient swing sided pulley with oil-lite bearings provides a smooth running performance for heavy-load hauling.

Ref.: 10 070 38

Miller-Troll Quadpod

Four legged style tripod with removable and adjustable legs is ideal for cliff top rescue and confined space.

Ref.: 10 070 27

Ropes

Length	Twisted polyamide rope, diam. 14mm With counterweight and screwgate karabiner	Kernmantel rope, diam. 10.5mm With counterweight and screwgate karabiner	Kernmantel rope, diam. 11mm, white	Kernmantel rope, diam. 11mm, black	Nylon rope, diam.12mm with 2 stitched splices
10m	10 028 91	10 076 13			
20m	10 028 92	10 076 14			
25m					10 117 26
30m	10 028 93	10 076 15			
35m					10 117 23
40m	10 028 94	10 076 16			
45m					10 117 24
50m	10 028 95	10 076 17	10 101 85	10 101 89	
66m			10 101 84	10 101 88	
100m			10 101 83	10 101 87	
200m			10 101 82	10 101 86	

Rope Access

Rope access is the means of accessing difficult areas or areas normally inaccessible by conventional means.
It involves suspending a person to their point of work by the use of a personal positioning system.
The worker requires a high degree of competence and must undertake suitable training to ensure the task is carried out safely.
The Miller-Troll* brand provide technical harnesses and hardware to perform in all environments and are ideally suited to the vertical world of Industrial Rope Access.
The list below provides the basic personal protective equipment required for an operator to work in this environment.
Depending on the duration of the suspension period, it is essential to choose an adaptable harness: a harness featuring a rigid seat may be a better and safer solution.

*Miller-Troll becomes Miller® by Sperian

Miller ROPAX harness

This new full body harness for rope access and rescue combines excellent suspension comfort with freedom of movement and increased productivity. The new triangular suspension position distributes the loads from the attachment points to the larger muscle groups to minimise discomfort and suspension trauma.
An additional webbing sling positions the ascender tight against the chest to facilitate ascension.

Ref.:	Size
1014432	S/M
1014433	L/XL

ProALLP Tech Descender

This screw and auto-lock controlled-rate manual descender provides the perfect tool for a controlled descent and positioning on the main line.

Ref.: 10 070 57 Purple
Ref.: 10 102 22 Black (Military & Spécial Forces)

Rocker Rope Lock

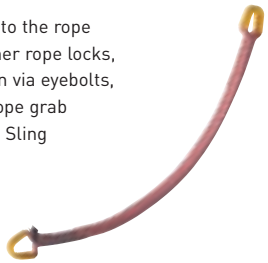
This lightweight rope grab serves as a back-up fall arrest device for the rope access operator. Connected to the front sternal anchorage point, the Rocker Rope Lock follows the operator during ascent and descent, locking onto the rope in the event of a fall.

Ref.: 10 070 31 Purple
Ref.: 10 102 21 Black (Military & Spécial Forces)

Cowstail Sling

Used to attach a variety of ancillary devices to the rope access operator e.g. Hand ascender and other rope locks, or to position an operator onto a workstation via eyebolts, allowing a more comfortable position, the rope grab and descender are connected via a Cowstail Sling to the full body harness.

Ref.: 10 070 60



Ropax Harness New

The Ropax harness is a new suspension harness dedicated to rope access and rescue. The innovative design offers a real improvement in suspension comfort and freedom of movement resulting in increased productivity.

The forces are split between the leg straps and the waist belt rather than being concentrated on the legs, thus providing enhanced ergonomics and increased user comfort whilst reducing the risks of suspension trauma.

ALLER® by SPERIAN

2 webbing options
- DualTech webbing with shape retention memory
- Resistant black polyester webbing

V Shape
The V Shape of the shoulder staps has been redesigned to prevent the straps from digging into the neck and causing irritation

Perfect Fit
Adjustment webbing straps between the leg straps and the belt allow for an exact fit

Foldable Side D-rings

Padded Leg straps
For increased comfort

Adjustable Webbing Sling
Designed to vertically position the ascender tight to the harness

Web Finials
Clip-on design safely organises webbing after proper adjustment

Extra-Wide Padded Belt
Provides excellent lumber support and comfort

Gear Loops
3 large, easily accessible gear loops accommodate all tools and accessories

"Left" & "Right" tags
Facilitate harness donning

ErgoSoft Dorsal Pad
Designed to protect the back and facilitate harness donning

Ref.: 10 152 05

Tranversal Pad
Used in conjunction with dorsal pad, it allows the user to adopt a semi-reclined work position without straining the abdominals

Ref.: 10 152 06

1 - ROPAX HARNESS

Manual buckles
Black polyester webbing

Ref.:	Size:
10 144 34	S/M
10 144 35	L/XL

2 - ROPAX HARNESS

Automatic buckles
Black polyester webbing

Ref.:	Size:
10 144 32	S/M
10 144 33	L/XL

3 - ROPAX HARNESS

Automatic buckles
DualTech webbing with shape retention memory

Ref.:	Size:
10 151 10	S/M
10 151 11	L/XL

Harnesses & Belts

Sit harness vs Full Body harness

A sit harness is used to suspend the operator in a comfortable work position with a maximum freedom of movement. When there is the risk of a fall the operator should wear a full body harness. The sit harness conforms to EN358 and/or EN813

A full body harness incorporates shoulder straps and a rear or front anchorage point for fall arrest. The full body harness conforms to EN 361 and may also fulfil a work positioning function in accordance with EN 358 and/or EN 813

IBX$_2$R Full Body Harness

Designed for specialists working hands-free at heights or in rescue, this full-body harness offers excellent suspension comfort and minimises suspension trauma.

4-point harness with work-positioning belt and padded leg straps. The belay connection link distributes the loads to the larger muscle groups to minimise discomfort and suspension trauma and maximise productivity.

Easy to fit thanks to ABS shoulder adjustment buckles (Advanced Buckling System).

Conforms to EN361, EN358 and EN813.

Ref.:	Size:	
10 070 22	M/L	
10 102 69	M/L	Black

Polecat Sit Harness

The Polecat Sit Harness offers the perfect solution for linesman when used in conjunction with the ITC Chest harness.

Padded belt with 2 side anchorage D-rings can be used with a linesman's polestrap for work-positioning, and includes loops for accessories.

Waist belay loop for rescue and rope access.

The belay connection link distributes the loads to the larger muscle groups to minimise discomfort and suspension trauma and maximise productivity.

Padded belt and leg straps provide excellent support and comfort during suspension.

Ref.: 10 070 18

ITC Chest Harness

The Miller-Troll range of Sit harnesses can be used in conjunction with the ITC chest harness to form a full body harness suitable for fall protection in height access, rescue and alpine applications.

Easy to fit, the ITC chest harness is connected to the sit harness by means of a Combi sling and alloy karabiner.

ABS Automatic Buckling System on shoulder straps for easy adjustment.

Front anchorage loop for fall arrest.

Ref.: 10 070 16

Ref.: 10 102 07 Black

Combi Sling

10 070 30	Combi Sling
10 028 32	Karabiner

10 070 30 10 028 32

RAT Sit Harness

The RAT sit harness can be used in conjunction with the ITC Chest harness for fall arrest protection.

Waist belay loop for rescue and rope access (strength > 30kN).

The belay connection link distributes the loads to the larger muscle groups to minimise discomfort and suspension trauma, and to maximise productivity.

Padded belt and leg straps provide excellent support and comfort during suspension.

The belt is fitted with convenient loops for carrying accessories (strength < 15 kg).

Ref.: 10 070 62

Ref.: 10 102 50 Black

RAM Sit Harness

The easy to fit lightweight flexible sit harness is suitable for Mountain Rescue technicians where the harness is worn for short durations only.

Waist belay loop for rescue and rope access.

The belay connection link distributes the loads to the larger muscle groups to minimise discomfort and suspension trauma and maximise productivity.

Padded belt and leg straps provide excellent support and comfort during suspension.

Can be used in conjunction with the ITC Chest harness for front fall arrest anchorage point.

Ref.: 10 070 25

Ref.: 10 102 52 Black

Sherpa Chest harness

Designed for high load-carrying capacity, this chest harness is suited for use by rescue services eg: fire and mountain rescue.

Padded shoulders for extra comfort when supporting load.

Detachable load carrying system.

The Sherpa Chest Harness allows a huge amount of extra equipment to be carried by the technical operator,
but does not conform to EN361 when linked to a sit harness

Ref.: 10 070 26

Descenders, Ascenders & Fall Arresters

Manual vs Automatic Descenders

Miller-Troll **manual descenders** are designed for rope access work where the worker manually controls his descent. For maximum safety, the manual descenders feature an emergency braking system. When blocked on the rope the manual descender can be used to position and hold the operator at a particular point.

Miller-Troll **automatic descenders** are intended for rescue situations at height. (For example lowering an injured person from a crane, ski-lift etc)

Manual Descenders

Indy Descender

Lightweight and easy-to-use.
Descent is activated and controlled through pressure onto the handle.
Anti-panic auto-braking system.
The operator's safety is guaranteed thanks to a maximum descent speed: 2 m/s.
Suitable for 10- 13mm rope.
Complies to EN341 Class A.
Weight; 0.49kg.

Ref.: 10 042 53

Fig 8 Descender

Lightweight self-rescue descender for 9-12mm braided rope.
Weight : 0.13kg.

Ref.: 10 102 20

ProALLP Tech Descender

This new generation descent device offers maximum control and versatility within the areas of technical access, rescue and intervention.
Designed to hold up to two people (max. 250kg) in a rescue scenario.
Option of both screw and auto-lock controlled-rate rope descent.
Includes ascender, belay brake, tensioned line brake and hauling system brake function.
Suitable for 10-13mm kernmantel rope. Conforms to prEN12841-c.
Weight: 0.54kg.

Ref.: 10 070 57

Rocker Rope Lock

Versatile and lightweight fall arrest system designed for use in conjunction with a manual descender for technical rope access or rescue. Compact and easy-to-use as :
Manual and automatic rope grab (EN353-2).
Length adjuster for positioning lanyard (EN358).
Tensioning device for horizontal lifeline.
Pulley blocking device.
Locking catch can be activated to hold the Rocker in position on the rope.
Suitable for 10/12mm rope.
Weight: 0.17 kg.

Ref.: 10 070 31

Automatic Self Descenders

RG9 Automatic Self Descender

The Compact RG9 is an easy-to-use automatic descent device designed for a safe and controlled self-rescue.
Maximum descent height: 65m.
Controlled descent speed: 0.8m / second.
Complies to EN341.
Supplied with GO60 scaffold hook, opening 60mm.
Weight: 1.24kg.
Order rope separately for factory fitting

Ref.: 10 042 55

RG10 Automatic Self Descender

With the same functionality as the RG9, the RG10 automatic descent device offers increased performance:
maximum descent height: 300m.
Controlled descent speed: 1.5m / second.
Complies to EN341.
Supplied with GO60 scaffold hook, opening 60mm.
Weight: 2.83kg.
Order rope separately. To be fitted at factory.

Ref.: 10 030 42

Rope for RG9 and RG10 Automatic Self Descender

Factory fitted

Ref.: 10 033 51 per metre

AG10 Hub A Automatic Self Descender with winch

The easy-to-use AG10 automatic descent device can be used for self-rescue up to a maximum descent height of 400m.
The speed of descent is automatically controlled by a centrifugal force brake and can be halted at any time.
Allows the quick and safe rescue of several people thanks to a shuttle service (left / right hand descent).
Includes a winch handle to lift the person and detach them from their fall arrest device or clear them from an obstacle.
Can be supplied with different suspension devices suitable for a range of structures. Complies with EN341. Weight: 3.5kg.

Ref.: 10 070 08 (to be ordered with rope)

9mm rope for AG10 descender (factory fitted). Other lengths are available upon request.

Ref	Length	Ref	Length
10 151 80	100m	10 151 84	140m
10 151 82	120m	10 153 44	200m

Ascenders

Rope Ascender

Ideally used in conjunction with a foot-loop, the manual ascender is a lightweight alloy handle that enables the operator to **ascend a fixed rope**.

The ascenders are designed to connect easily onto the rope with one hand with comfortable and efficient grip for improved climbing control.
For rope diameters 10-13mm.
Complies to EN567. Weight 0.21kg.

Ref.:
10 070 41 Right-hand ascender
10 073 93 Left hand ascender*

* Miller reserves the right to change the model

Cam-Clean Ascender

Used in conjunction with the rope ascender, is a **chest ascender** designed to hold the operator in a comfortable upright position.
Increased safety with an anti-return system.
Complies to EN567.
Weight: 0.16kg.

Ref.: 10 042 54

Shorco Sling and Foot Loop Set

Used in conjunction with the Rope Ascender and Cam-Clean, the Shorco Sling and Footloop set allows a fixed rope to be climbed by using the Foot Lock Technique. (See Page 58).

Ref.: 10 101 68

ABS Lock

Automatic and dynamic belay system.
Used to belay from the ground the person equipping a structure with temporary anchor points.

Ref.: 10 042 10

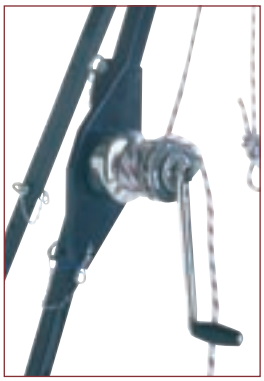
Rescue & Evacuation Equipment

Miller-Troll Quadpod

Lightweight 4 legged quadpod ideal for cliff-top rescue and confined space.
Multi-positioning: Adjustable legs each extend from 135cm to 230cm.
Pivoting rubber studded feet for greater stability even on rough terrain.
High grade corrosion resistant aluminium for greater durability
even in harsh environments.
Safe working load - 500kg or 3 men.
Complies with EN795 Class B.
Weight 12.5kg

Ref.: 10 070 27

Self Tailing Winch



Highly efficient, two speed rope winch
for use in conjunction with Quadpod.
Self-tailing winch keeps both
hands free to turn the handle.
Power Rib system grips the rope for greater safety.
At 500kg the grip will start to creep
without allowing any overload.
Designed for use with 11mm kernmantel rope.
Weight: 5.45kg

Ref.: 10 070 29

Emergency Rescue Sling

Used by many leading rescue services around the world, this extremely comfortable and easy-to-use rescue sling is based on a helicopter sling with several important features: the chest strap can be undone and fitted around the casualty while remaining attached to the rescue system.
Adjustable leg straps allow any angle of casualty lift.
9mm cell foam padding on the chest strap enhances comfort for the casualty.
2 additional attachment rings regulate the size for smaller casualties.
Weight: 1.9kg
Complies to EN1497

Ref.: 10 070 63

Rescue Triangle

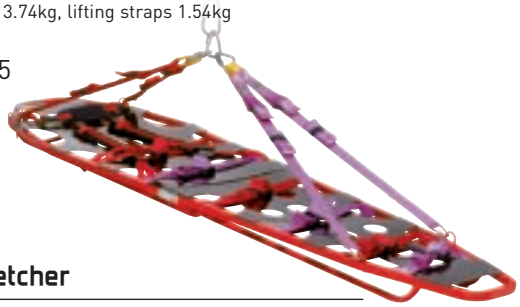
Compact and lightweight, the rescue triangle
is fully adjustable for adults and children.
Suitable for short-duration rescue and evacuation
operations of an uninjured casualty.
Designed to hold the casualty
in a sitting position for comfort.
Weight: 1.164kg
Complies with EN1498B

Ref.: 10 048 76

Alphin Lite Stretcher

Widely used by Fire and Rescue Services, the Alphin Lite rigid stretcher is easy to assemble and use, and folds for easy storage and transportation.
Robust, fully adjustable casualty securing and lifting straps.
Padded head and shoulder straps plus extra back support
provide maximum protection for the casualty.
Integral skis for transporting casualty securely over snow.
Supplied with convenient storage bag.
CAA, CE and RAF SAR approved for helicopter winching.
Weight: Stretcher 13.74kg, lifting straps 1.54kg

Ref.: 10 070 45



Alphin MR Stretcher

As above but with a deeper stretcher frame and removesble
lifting handles to allow it to be carried as a traditional stretcher.
The frame encoroporates a wheel mount to allow easy moving
over longer distances or difficult terrain.
Weight: Stretcher 15kg, Lifting straps: 1.54kg,
Handles: 3.42kg

Ref.:
10 070 44
10 102 42
STRETCHER WHEEL
used with the Alphin
MR Stretcher

Evac Body Splint

Lightweight body splint ideal for confined space evacuation.
Fitted with foot supports, it can be lifted vertically.
Can be stored in a compact bag and is easy to transport.
Once wrapped around a casualty, it provides a rigid splint.
Padded shoulder straps provide extra support
and protection for the casualty.

Ref.: 10 070 46

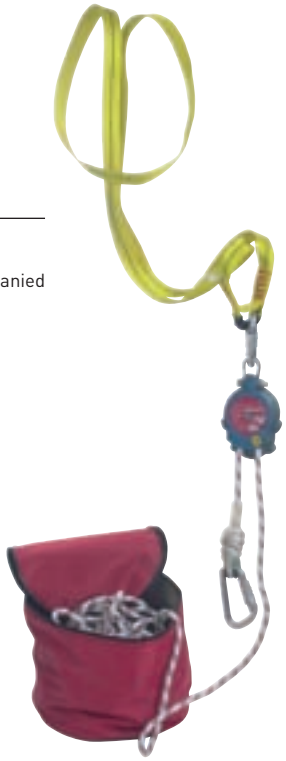
Rescue kits

Miller-Troll Rescue Kits are specifically designed to provide rescue services and industrial rope access companies with the necessary equipment to perform an immediate and secure self-rescue or casualty-rescue operation. As with all Class 3 PPE equipment, the operator should be fully trained on the use of this equipment.

RG9 Rescue Kit

Ready-to-use rescue kit.
Suitable for lowering a casualty unaccompanied to the ground or for self rescue.
This kit complies to EN341 and contains:
RG9 automatic self descender - maximum descent speed 0.8m/s.
20m rope with karabiner.
Anchorage sling (1.2 m).
Practical and waterproof storage bag.

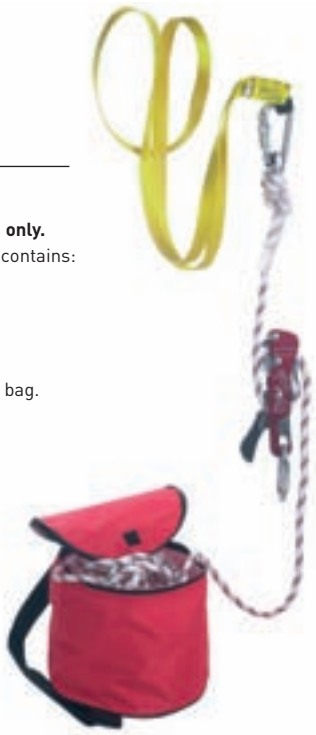
Ref.: 10 060 27



INDY Rescue kit

Ready-to-use rescue kit.
Suitable for use by one-person only.
This kit complies to EN341 and contains:
INDY descender – maximum descent speed 2m/s.
20m rope with karabiner.
Anchorage sling.
Convenient, waterproof storage bag.

Ref.: 10 060 26



High Access Rescue Kit

Ready-to-use kit designed for the rescue of a casualty at height by a trained operator. This kit contains:

- ProALLP Tech descender
- 25m rope with karabiner
- Anchorage sling (1.2m) with protective sheath
- Rope protector
- Cowstail sling
- 3 karabiners
- Knife for cutting free the casualty from anchorage
- Convenient and waterproof red rescue bag

Ref.: 10 070 50

Casualty Pulley System

Lightweight pulley system which enables the rescuer to clip the casualty to his own line and lift them to transfer either onto his system or onto a stretcher.
Maximum length: 2m
Pulley, ascender and karabiners fit into a strong carrying bag.
Weight: 1.2kg

Ref.: 10 070 42

We reserve the right to add or change products without notice. Please note that product functionality will not change.

Accessories

60m Anchorage Rope

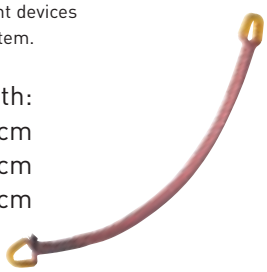
Ø13,5mm kernmantel polyamide rope
Supplied with 2 sewn terminations.

Ref.: 10 031 66

Cowstail Sling

Sling with reinforced loops at each end.
Suitable for connecting different devices within an access or rescue system.

Ref.:	Length:
10 070 60	45cm
10 070 59	30cm
10 070 58	60cm



Rope Protector

PVC reinforced rope protector. Designed to protect the rope against abrasion and cutting eg on buildings or rock edges.
Easy-to-fit with velcro seam.

Ref.: 10 102 14

Climbers Helmet

Polypropylene climbers helmet with fully adjustable, comfortable skull webbing and chin strap. A cotton lining on the skull webbing and good air circulation reduces the build-up of moisture.
Fitted with attachment point for head torch.
Conforms to EN397. Weight: 410g.

Ref.:	Colour
10 070 48	Red
10 101 77	White

Edge Roller

Designed to protect the rope when used on abrasive edges.
50mm wide roller allows the simultaneous use of 3 ropes.
Highly durable stainless steel shaft and brass bearings

Ref.: 10 070 43

Industrial Climbers Seat

For use in conjunction with a suitable safety harness, the detachable industrial climbers seat offers a comfortable supported position for the operator during prolonged periods suspended at height.

Padded seat with waterproof, abrasion-resistant pvc coated nylon covering.
Supplied with two connectors.
Adjustable straps for perfect fit.
Complete with convenient ring attachments for accessories.

Ref.: 10 070 56

Pulleys

10 070 38

Single Swivel Cheek Pulley

Highly efficient single or dual-attachment swing sided pulley for pulley systems and hauling.
Oil-lite bearings with smooth free-running performance under heavy loads
Suitable for ropes up to 12.7mm diameter
Tensile strength 3000kg
Lightweight alloy: 0.12kg

Ref.:	
10 070 38	Single attachment
10 102 24	Dual attachment

10 102 24

Twin Alloy Rescue Pulley

Highly-efficient dual attachment double swivel cheek pulley for pulley systems and hauling.
Oil-lite bearings with free-running performance under heavy loads
Double swivel offers increased efficiency and hauling capacity.
Suitable for ropes up to 12.7mm
Tensile strength 3000kg
Lightweight alloy: 0.28kg

Ref.: 10 070 40

We reserve the right to add or change products without notice.
Please note that product functionality will not change.

Sperian Protection
Fall Protection Training

Sperian Protection consider training to be a central part of their global fall protection offer and propose a complete range of set and bespoke technical fall protection and rescue training courses to suit all areas of industry and the emergency services.

Fundamental Fall Prevention/Protection Training

The legislation states that a fall arrest system be used when working at a height where a fall hazard exists. This system consists of:

- anchorage point/anchorage connector
- body wear - full body harness
- intermediate attachment with shock absorbing element.

Industrial Access Training

- Safe use of equipment to gain access to and egress from safe working areas on open structures or when conventional access means are not feasible

Rescue Training

- Emergency self-evacuation methods
- Recovery of personnel from open structures
- Advanced courses to instruct professional rescue services in height access casualty recovery.

troll MILLER® KOMET MILLER® become MILLER by SPERIAN

Legislation Requirement

Training is an essential part of any safety program.
The employer is responsible for ensuring that any person working at height is fully informed regarding the correct use of PPE and systems.

Increased Productivity

Training will guarantee that the workers are safe in their working environment and at ease with their equipment, and therefore more productive.

Total Training Solutions for:

- Construction
- Steel Erectors and Roofing
- Telecommunications
- Utilities
- Confined Spaces
- Cleaning
- Ski Lifts
- Maintenance
- Rescue and Evacuation

For further information on our range of Industrial Fall Protection training courses, please contact your local Sperian Protection Sales office or Fall Protection Representative.

Söll

Permanent Fall Arrest Systems

GLIDELOC® SAFE CLIMBING SYSTEMS

GlideLoc® Safe Climbing System, permanently installed on buildings, towers, masts etc comprises a guided type fall arrester, vertical and horizontal guide rails or fall protection ladders, and a wide range of mounting brackets and accessories that adapt the system to most structural profiles.

Enhanced Safety

In contrast to temporary rope systems, Söll's guide rails withstand constant wear and tear and allow a combination of vertical and horizontal access without having to disconnect.

User Comfort and Ergonomics

The fall arrester glides smoothly along the rail without any manual guidance, reducing user fatigue. This is the only system that allows the user to lean forward or backwards.

Versatility

Available in both straight and curved form in a variety of materials to suit the work environment. Guide rails can be retrofitted to existing ladders.

Economic

Designed to withstand the toughest environmental conditions, Söll fixed systems offer a long-term economical investment with minimal maintenance.

XENON HORIZONTAL LIFELINE SYSTEMS

The Xenon Horizontal Lifeline allows greater mobility at any angle.
It is suitable for any type of work at height where a fixed safety system is required. The perfect tool for engineers, contractors and architects to provide secure access on new buildings or industrial sites.

Versatile

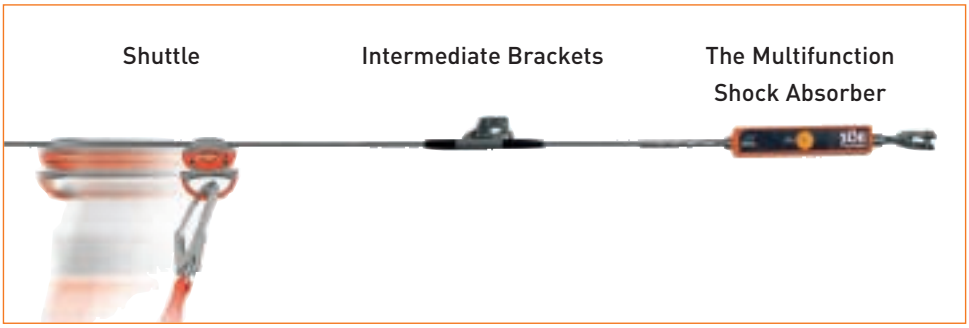
The lifeline can be installed on a wall, roof, overhead or on the ground and adapts to curved and straight installations.

Easy to Install

A calculation software assists in the planning and costing phases.
The few components and wide fixing intervals (12m) facilitate the installation.

Easy to Use

Licensed for simultaneous use by up to 7 people working on either side of the cable.



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